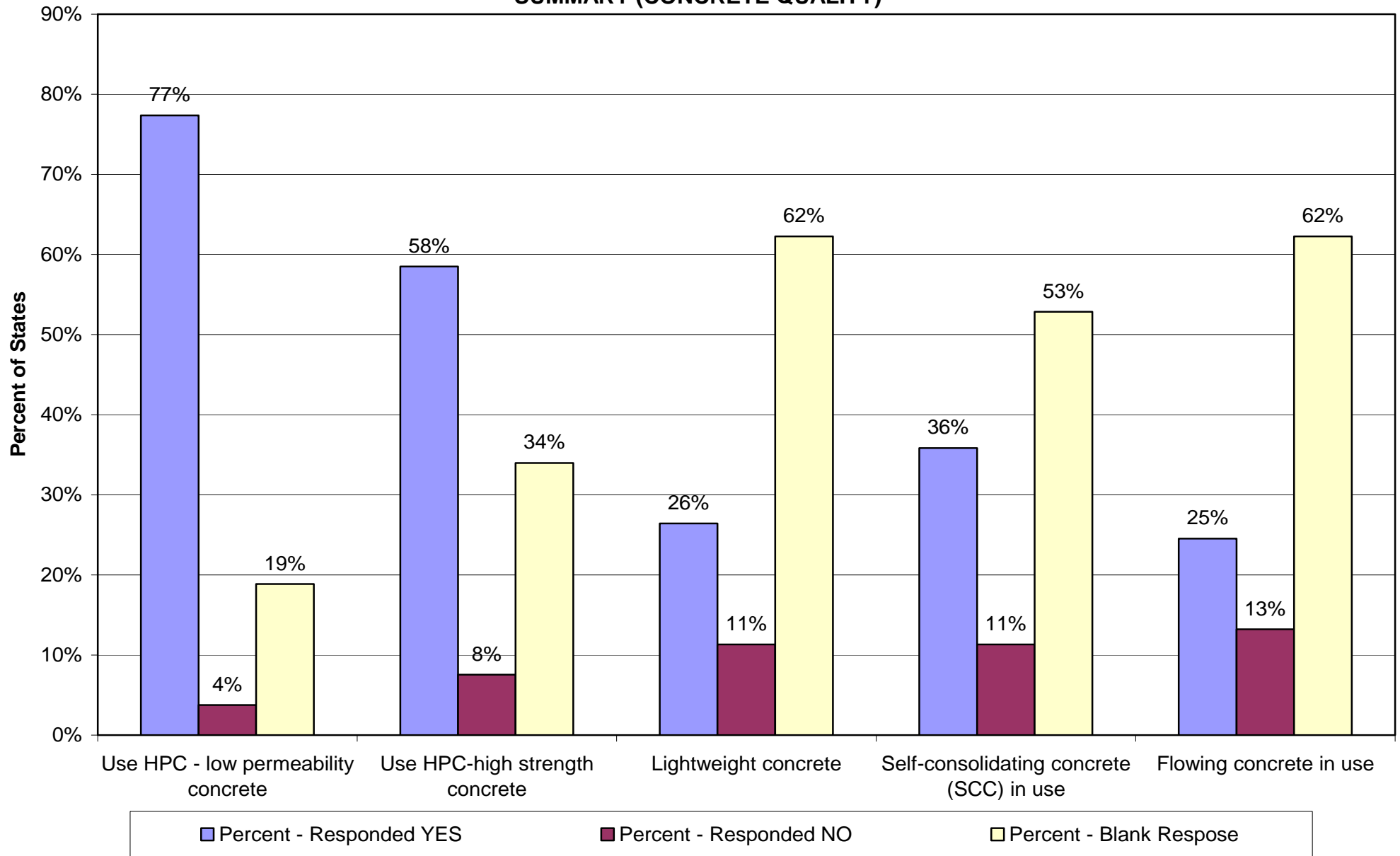


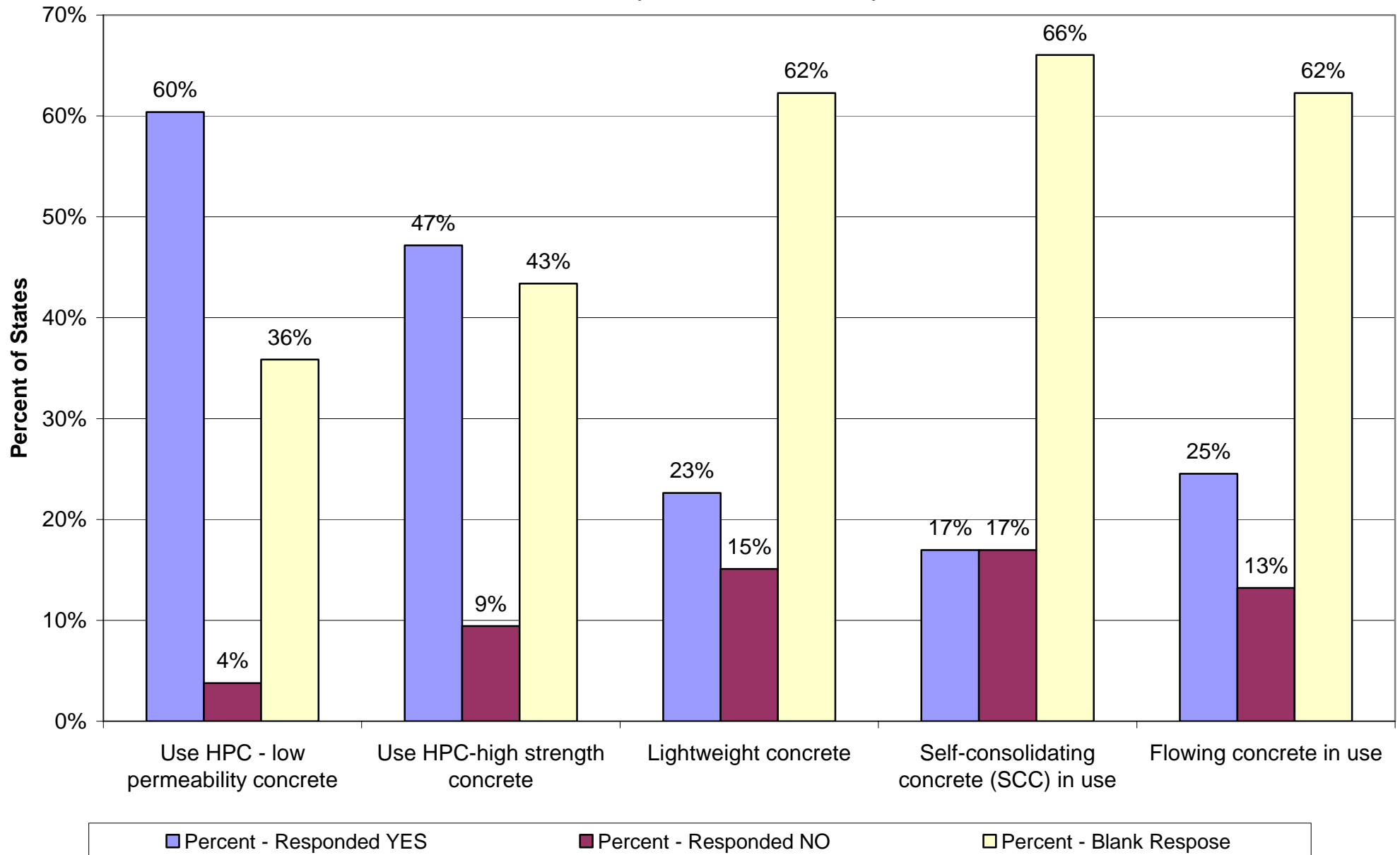
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 1 - CHANGES MADE IN LAST 10 YEARS SUMMARY (CONCRETE QUALITY)



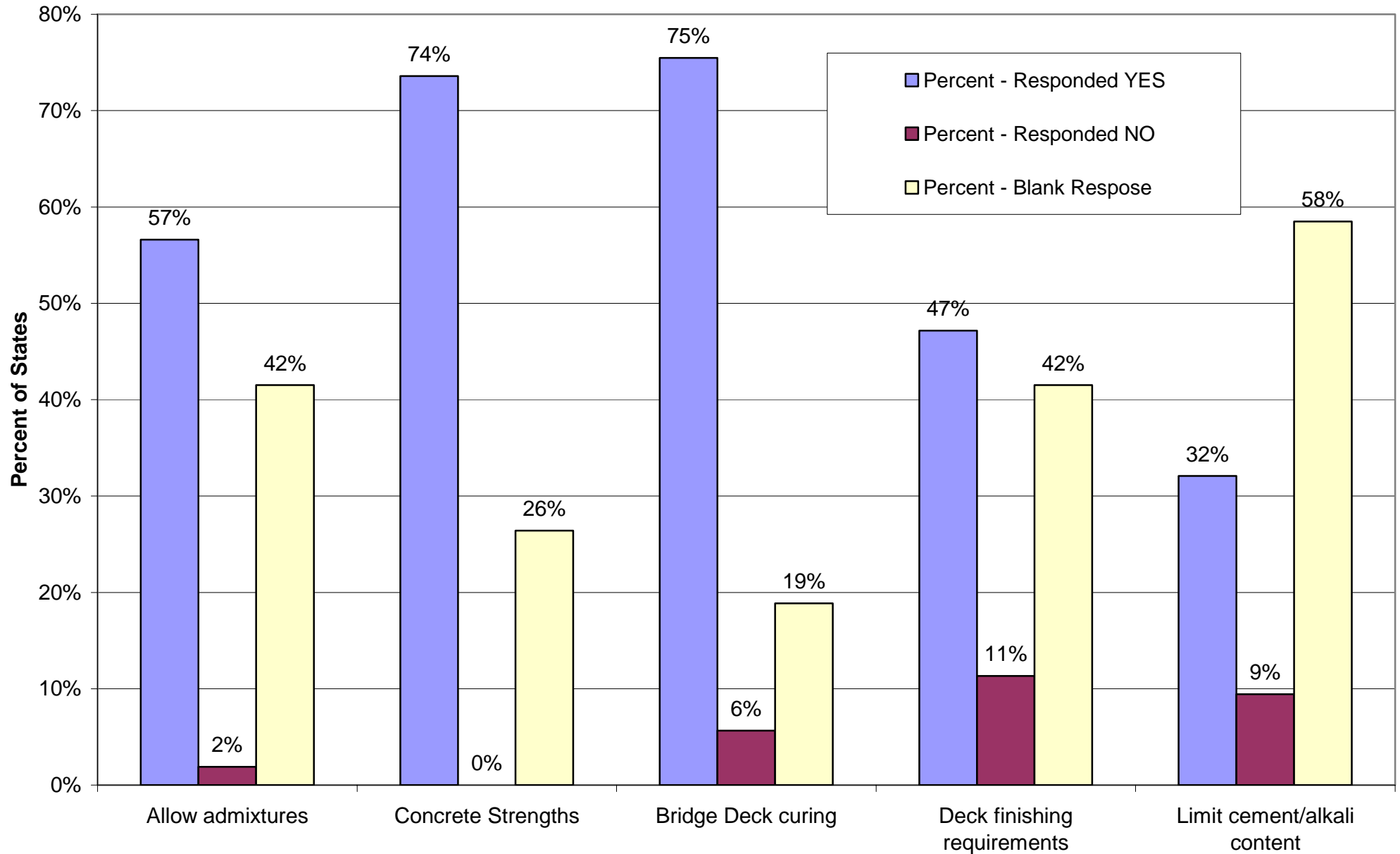
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 1 - INCLUDED IN CURRENT SPECIFICATION SUMMARY (CONCRETE QUALITY)



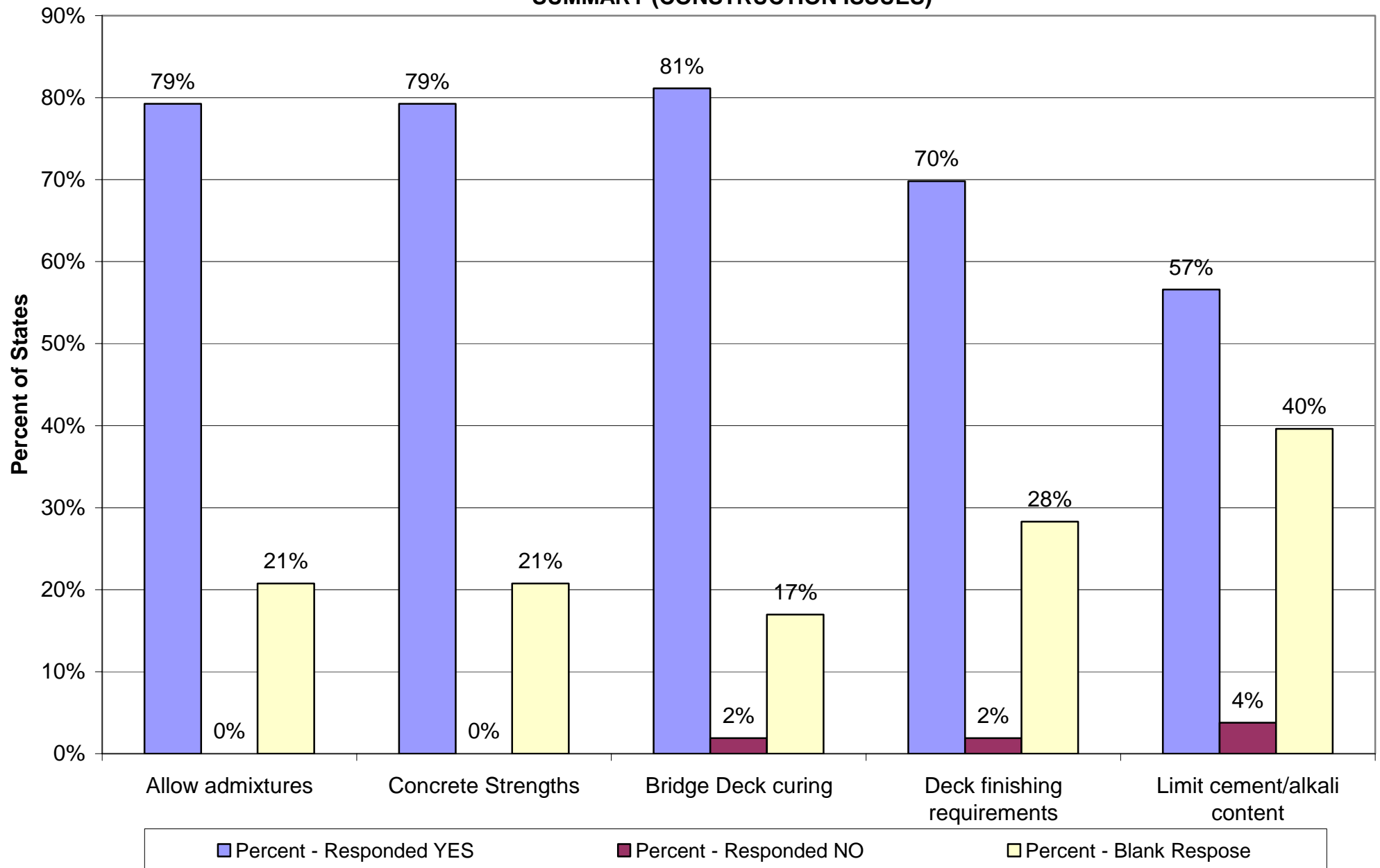
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 1 - CHANGES MADE IN LAST 10 YEARS SUMMARY (CONSTRUCTION ISSUES)



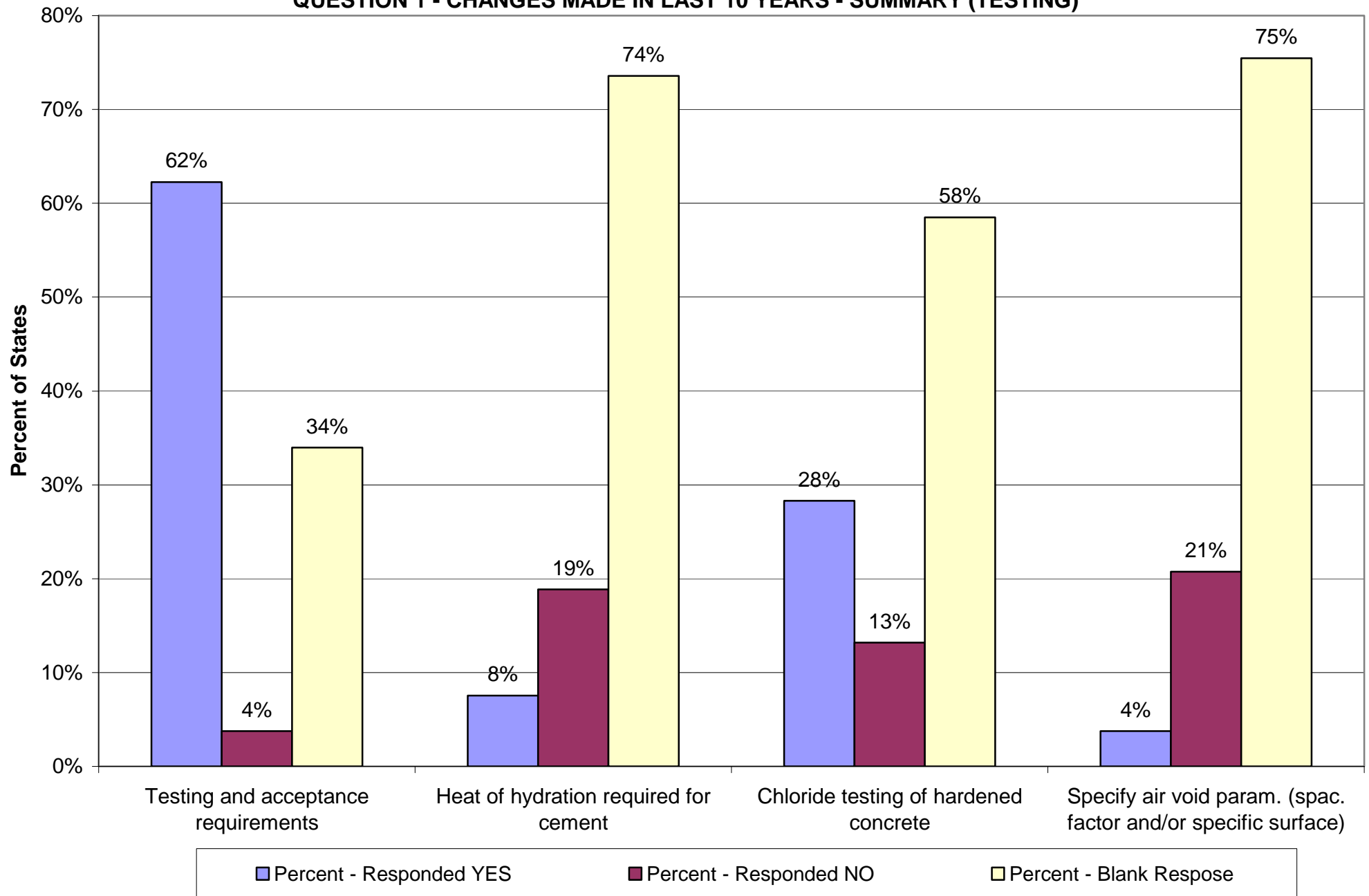
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 1 - INCLUDED IN CURRENT SPECS SUMMARY (CONSTRUCTION ISSUES)



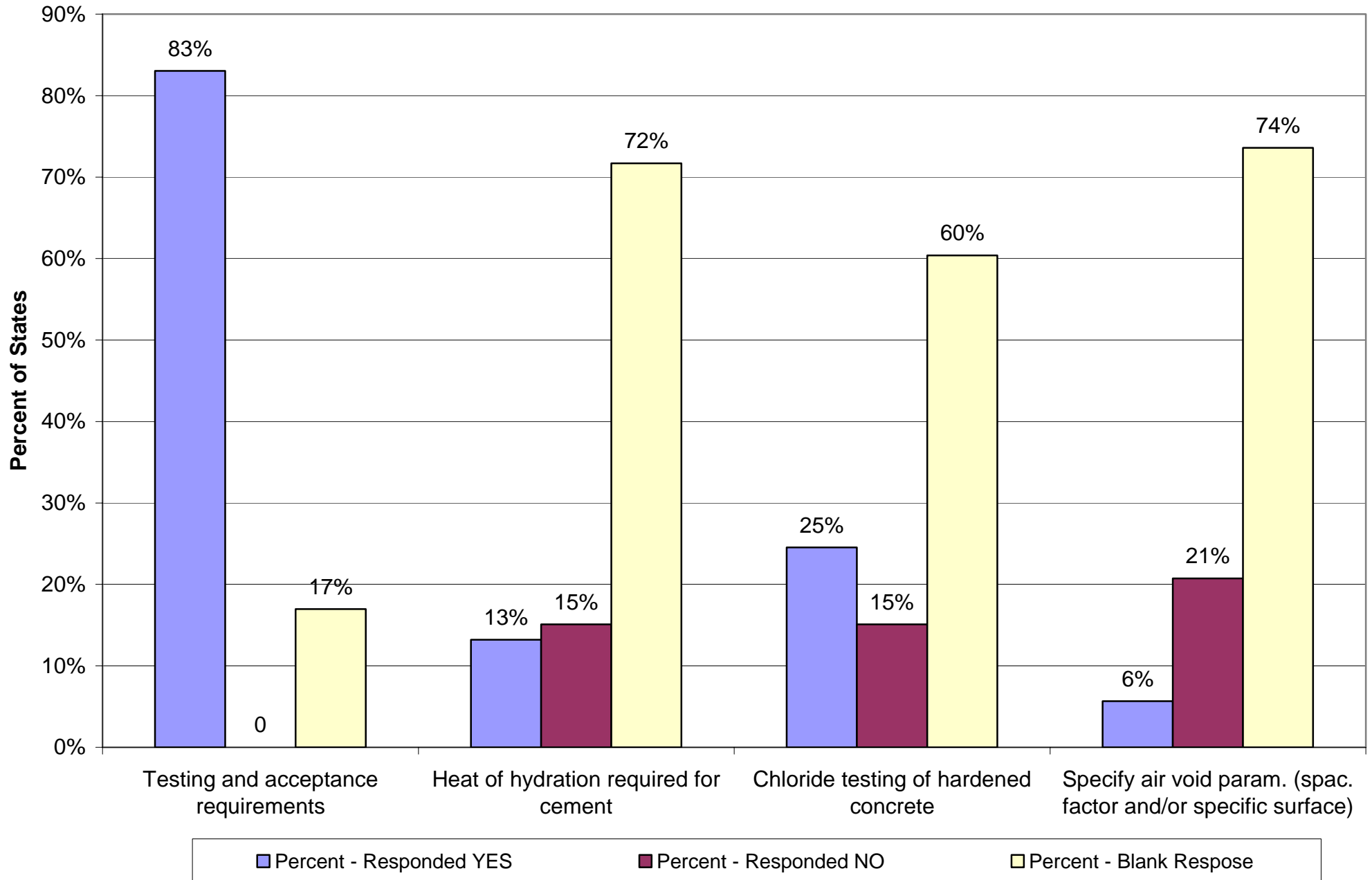
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 1 - CHANGES MADE IN LAST 10 YEARS - SUMMARY (TESTING)



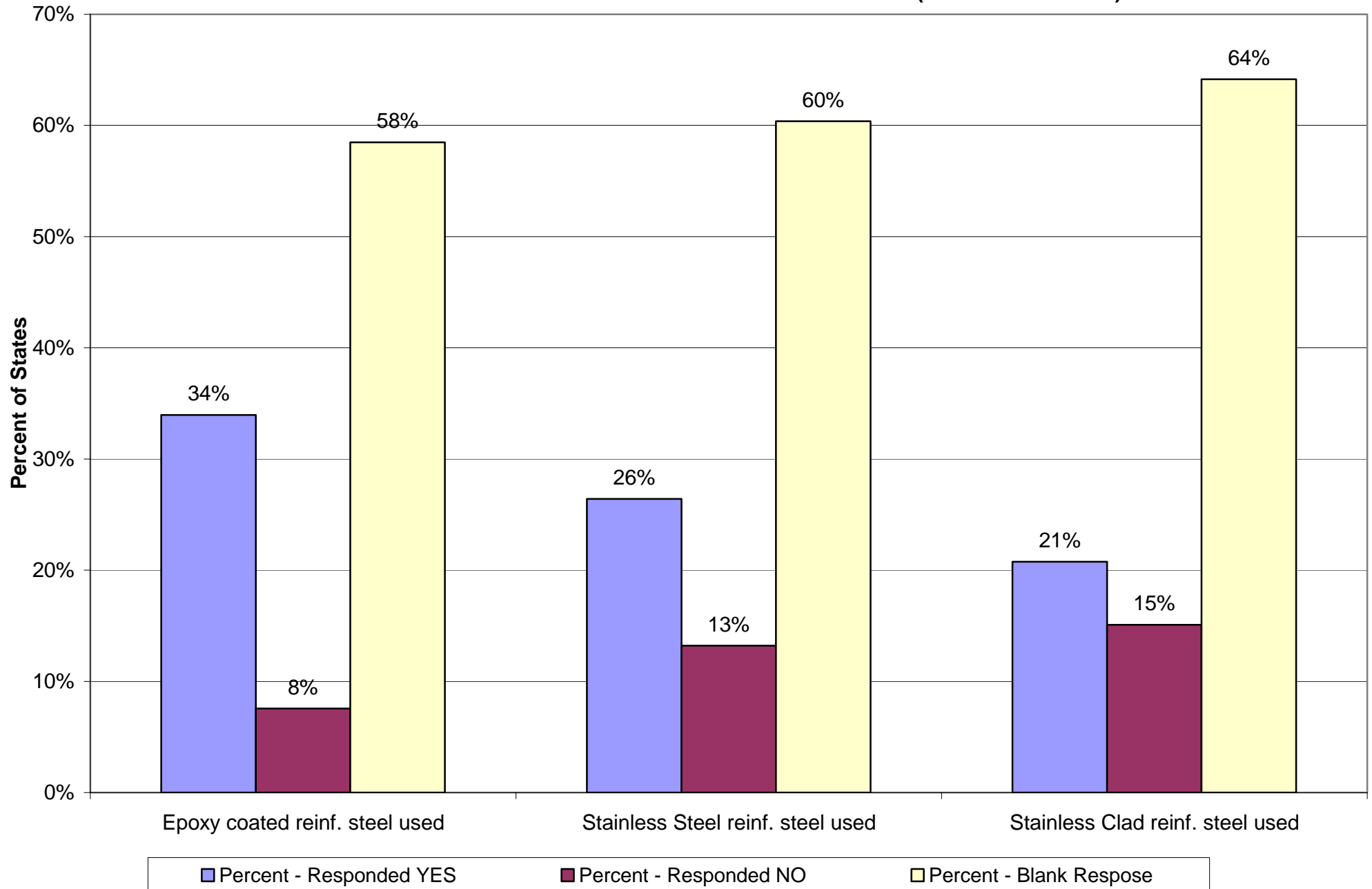
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 1 - INCLUDED IN CURRENT SPECIFICATION - SUMMARY (TESTING)



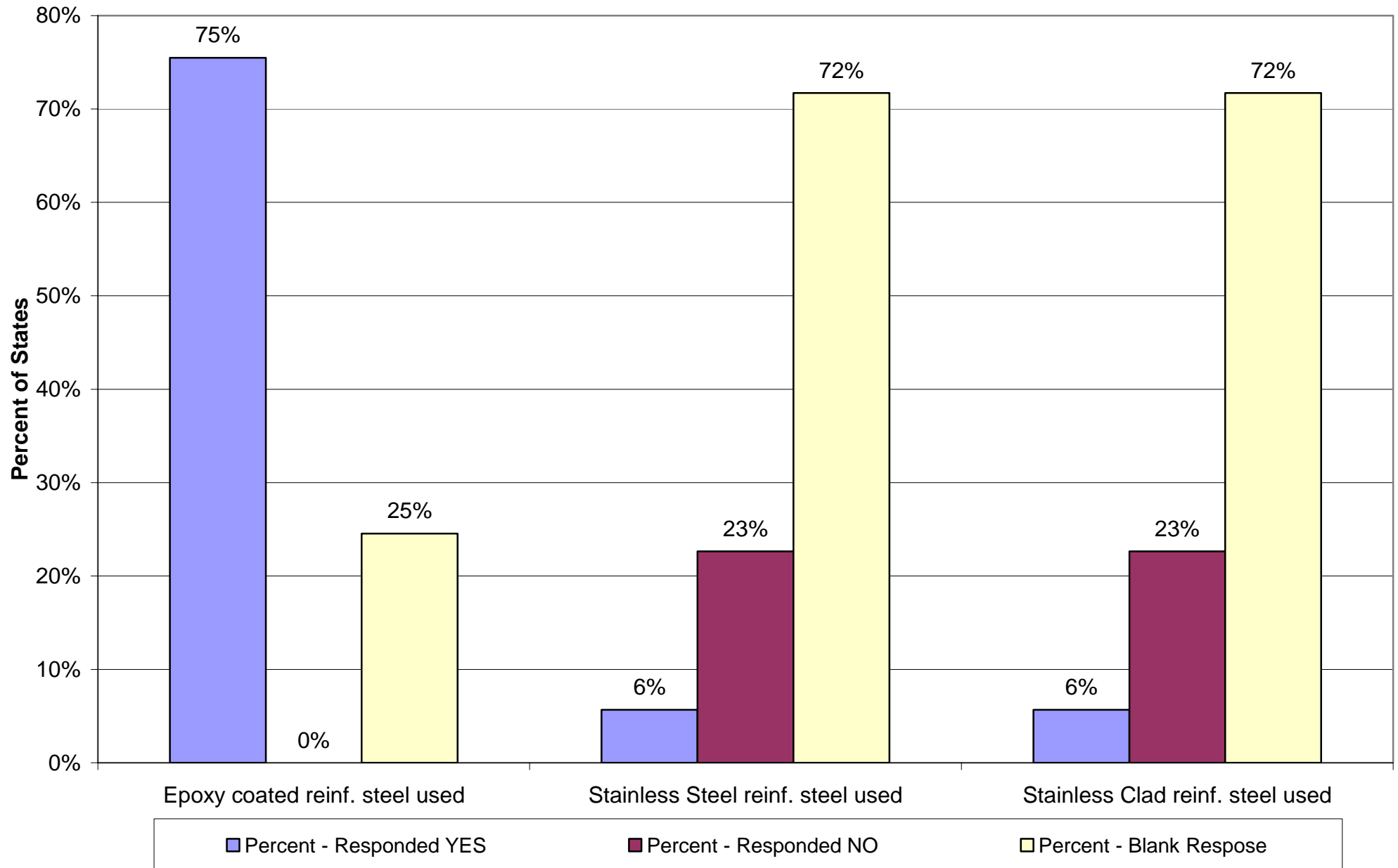
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 1 - CHANGES MADE IN LAST 10 YEARS - SUMMARY (REINFORCEMENT)



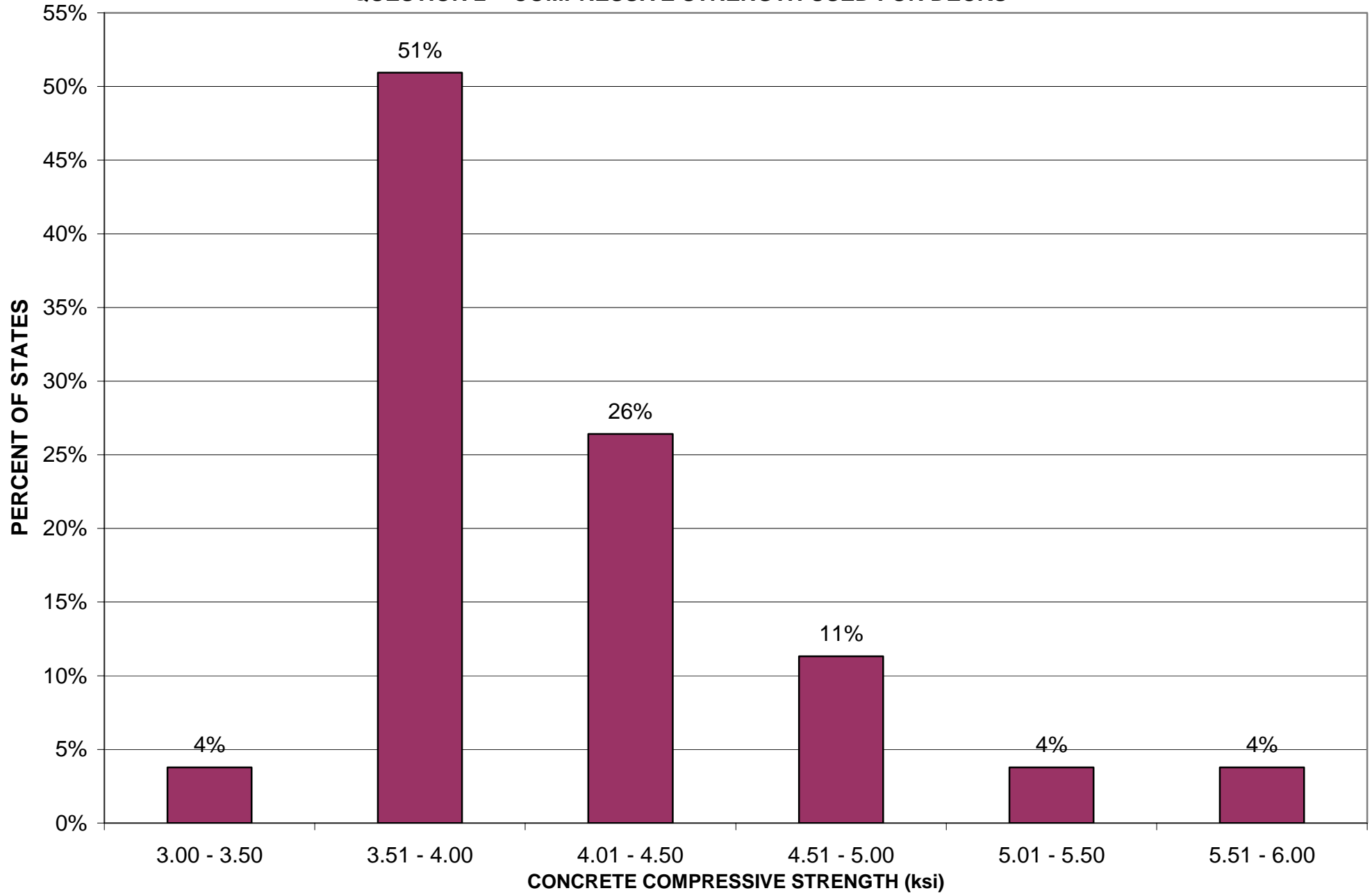
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 1 - INCLUDED IN CURRENT SPECIFICATION SUMMARY (REINFORCEMENT)



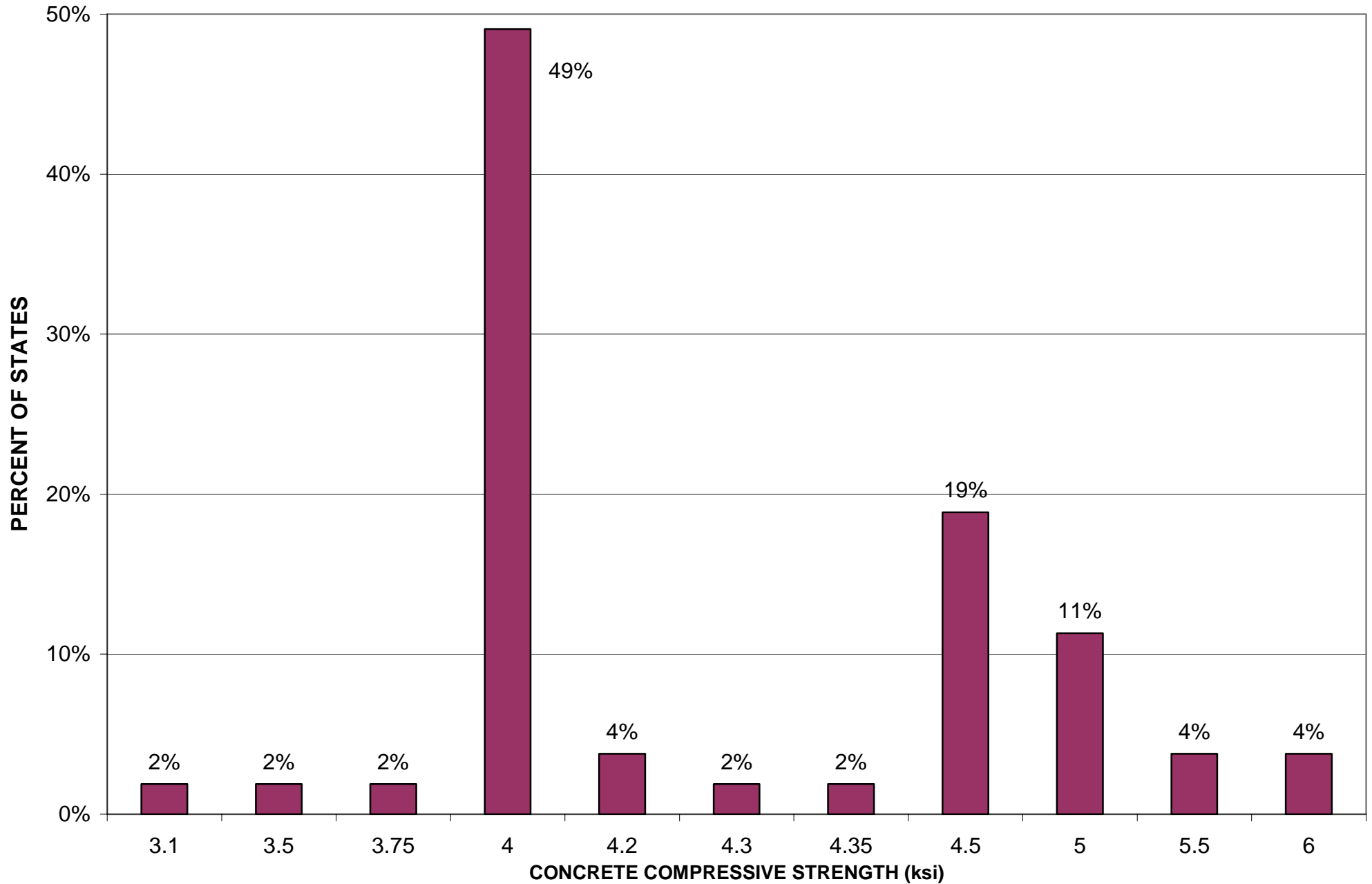
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 2 - COMPRESSIVE STRENGTH USED FOR DECKS



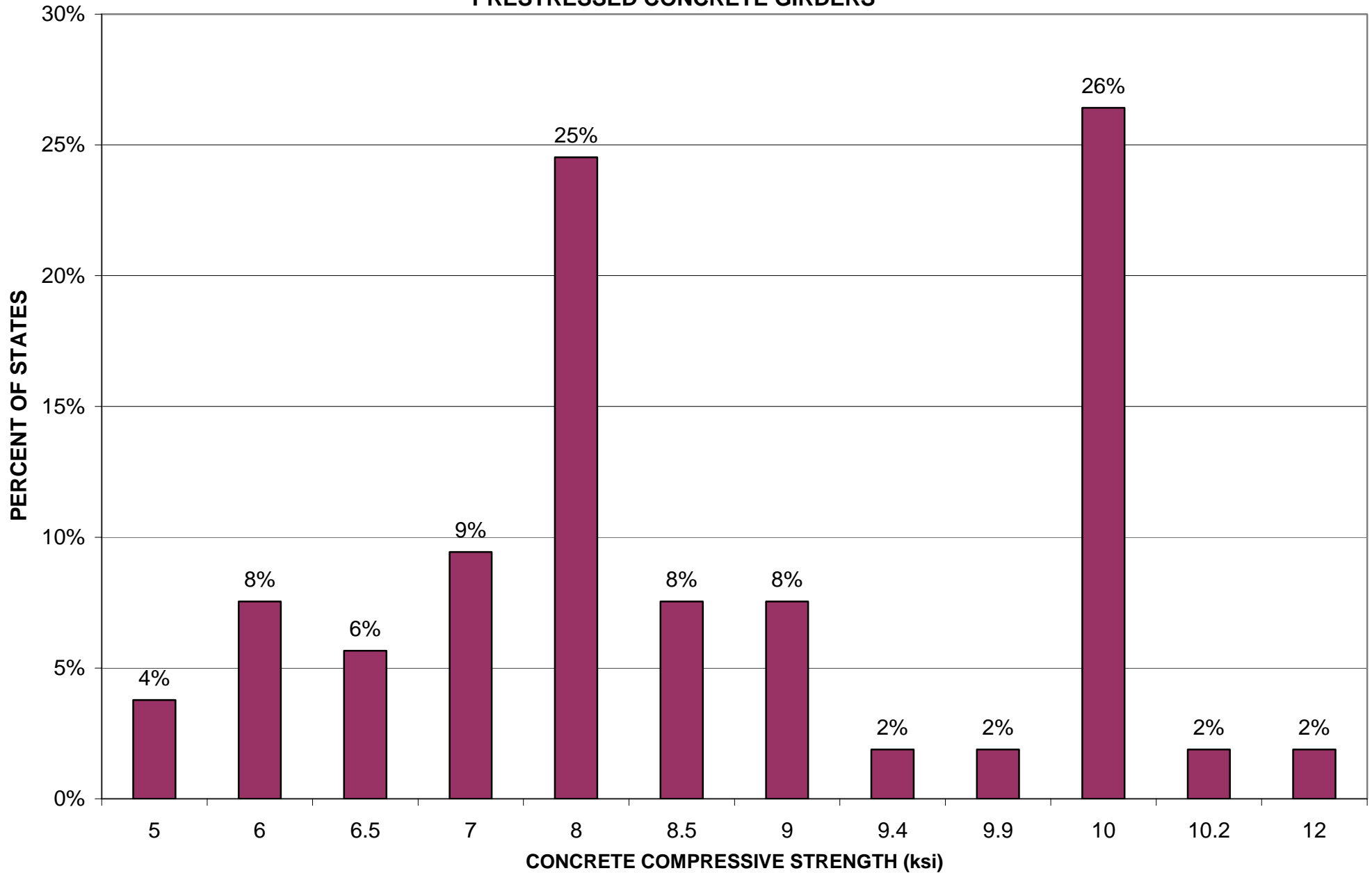
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 2 - COMPRESSIVE STRENGTH USED FOR DECKS



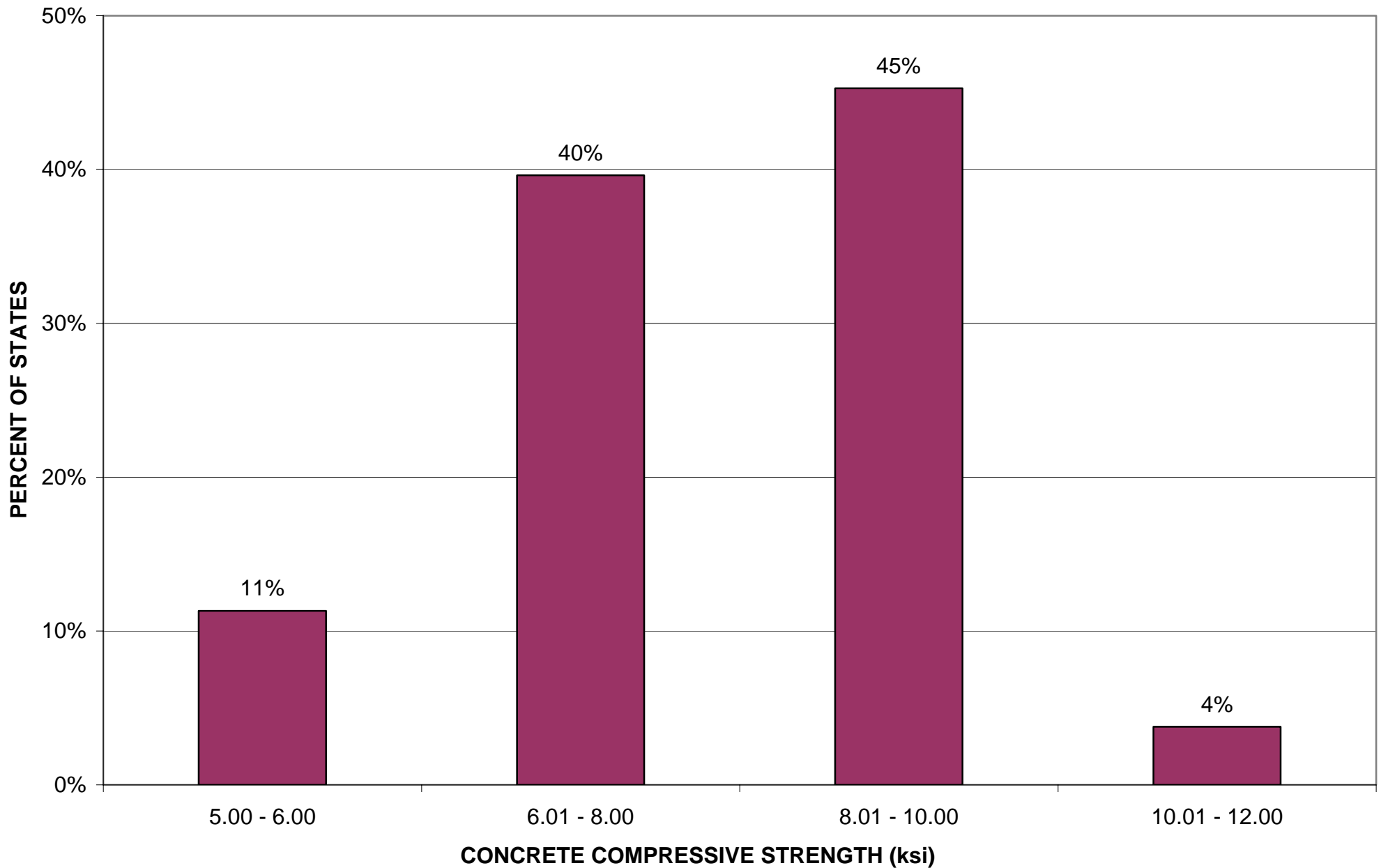
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 2 - HIGHEST COMPRESSIVE STRENGTH USED FOR PRESTRESSED CONCRETE GIRDERS



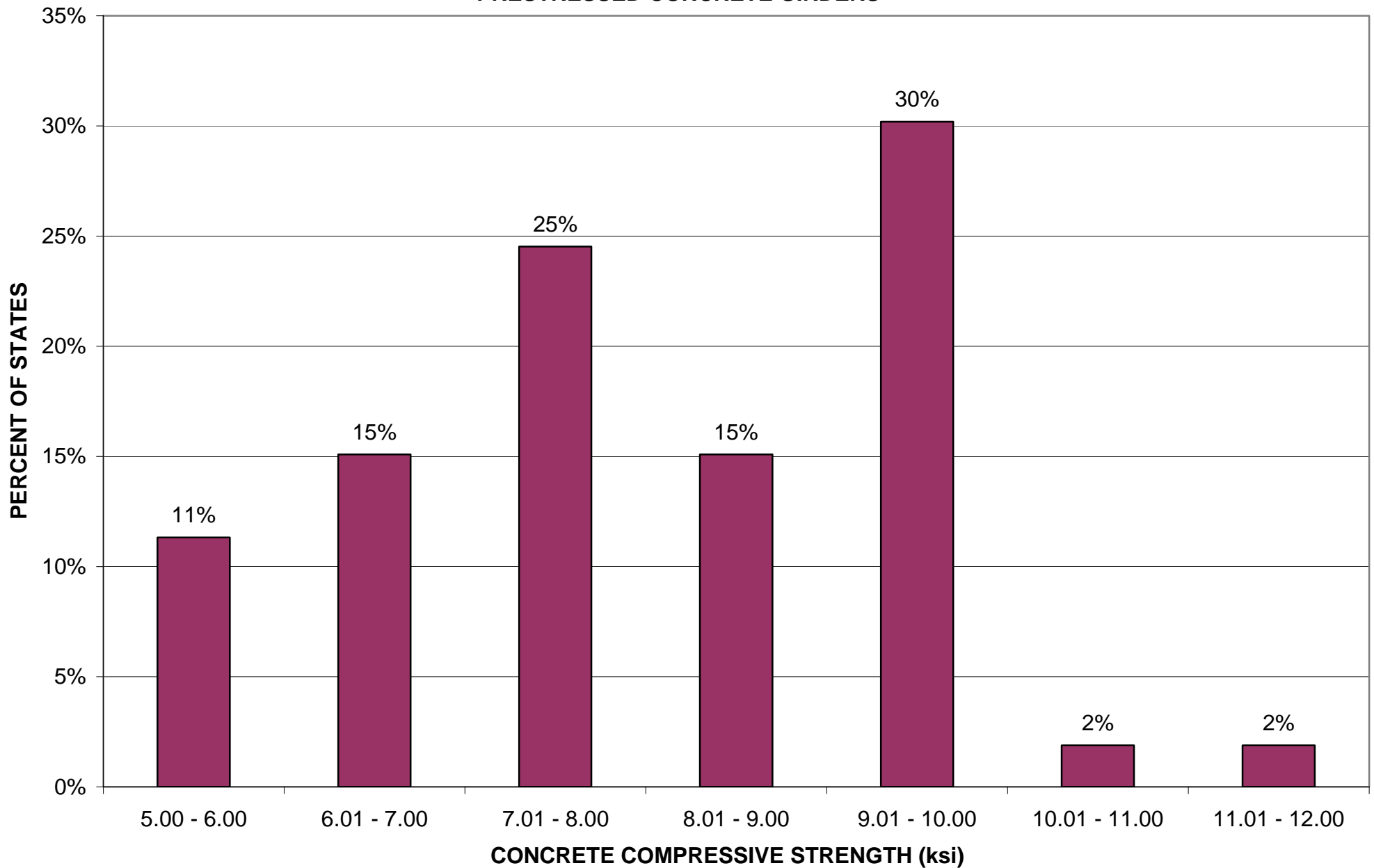
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 2 - HIGHEST COMPRESSIVE STRENGTH USED FOR PRESTRESSED CONCRETE GIRDERS



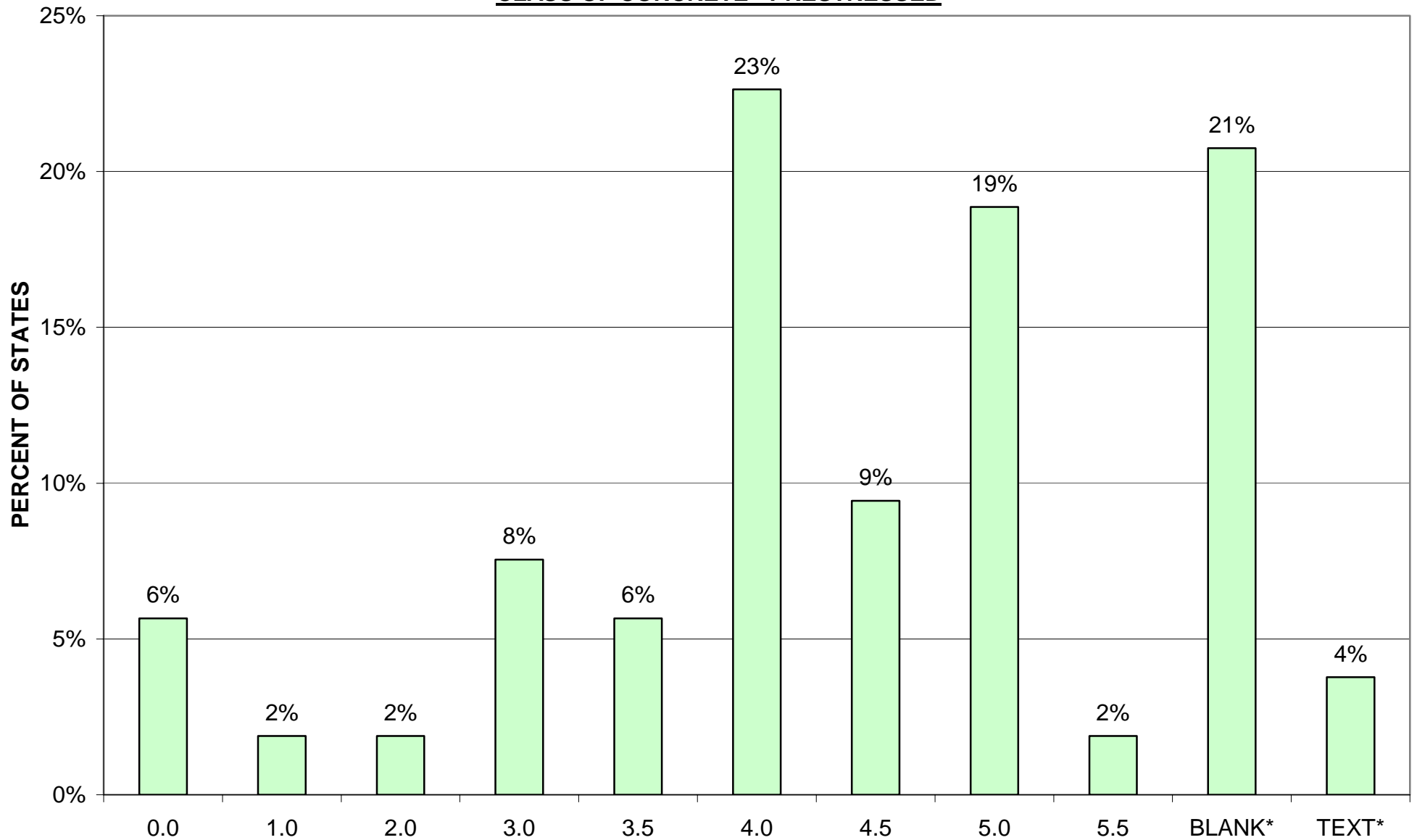
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 2 - HIGHEST COMPRESSIVE STRENGTH USED FOR PRESTRESSED CONCRETE GIRDERS



HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

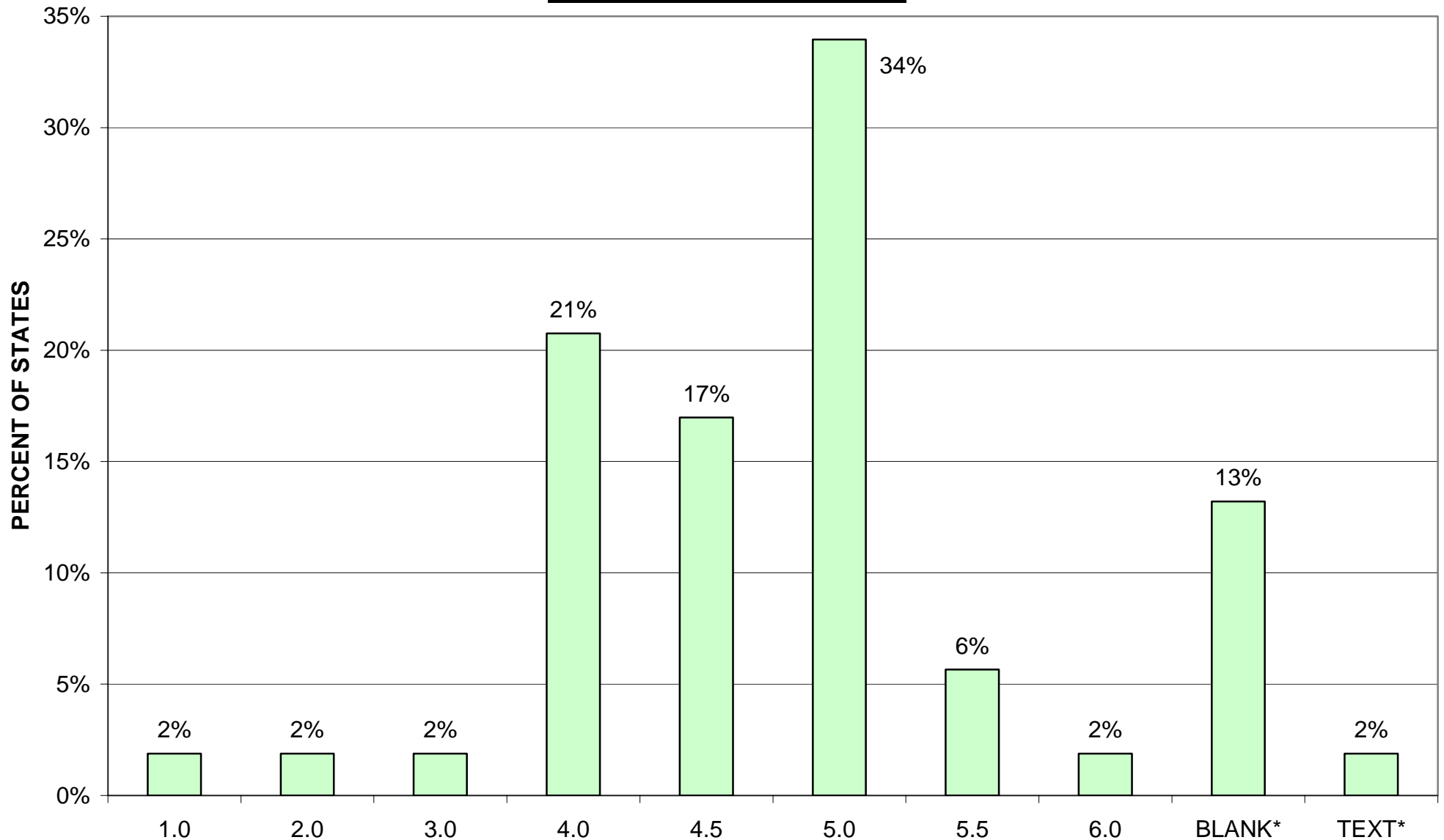
QUESTION 2 - MINIMUM AIR CONTENT PERCENT CLASS OF CONCRETE - PRESTRESSED



Minimum Air Content Percent
##, No Response = BLANK*, and Text (ONLY) Provided = TEXT*

HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

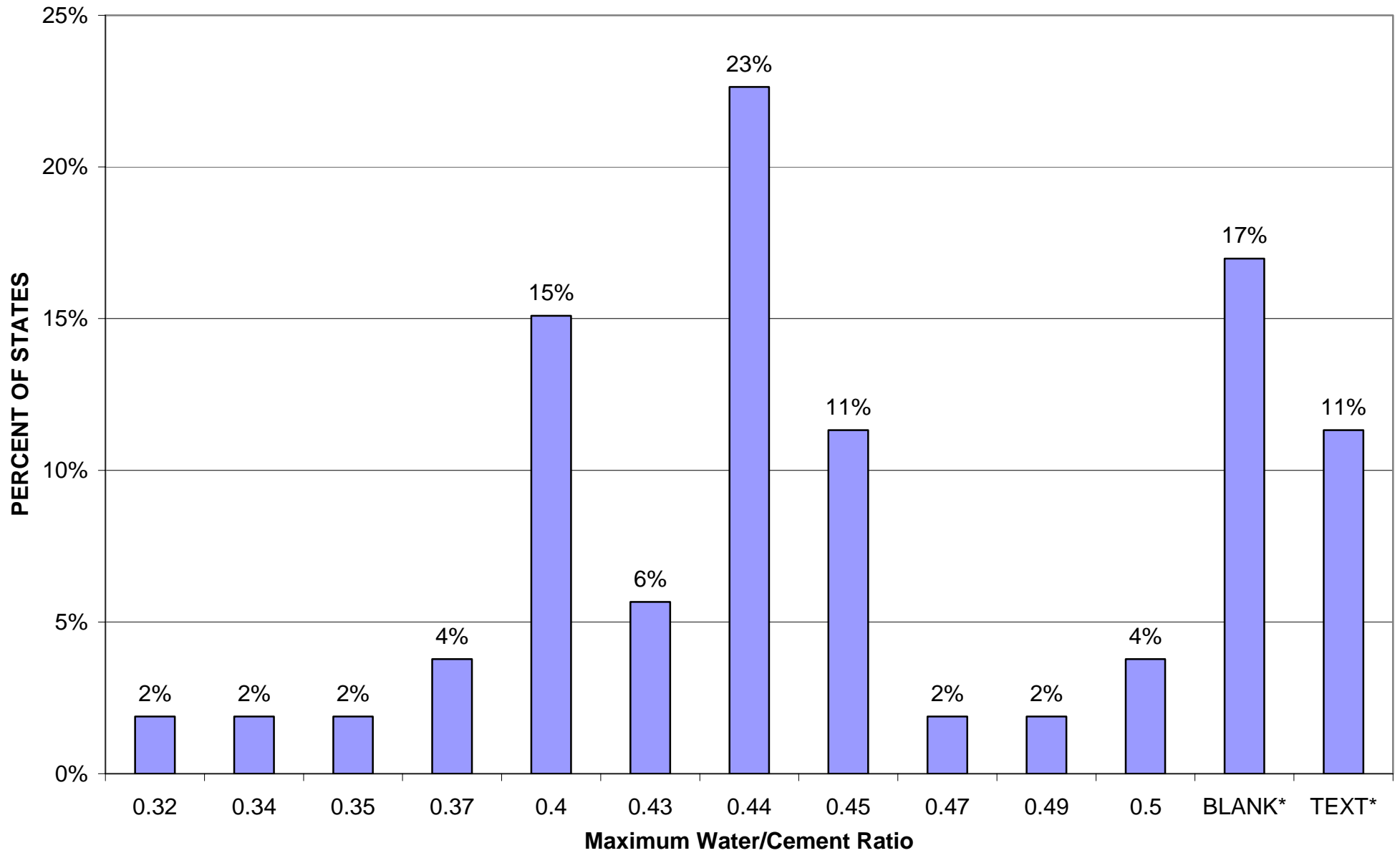
QUESTION 2 - MINIMUM AIR CONTENT PERCENT CLASS OF CONCRETE - DECKS



Minimum Air Content Percent
#.#, No Response = BLANK*, and Text (ONLY) Provided = TEXT*

HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

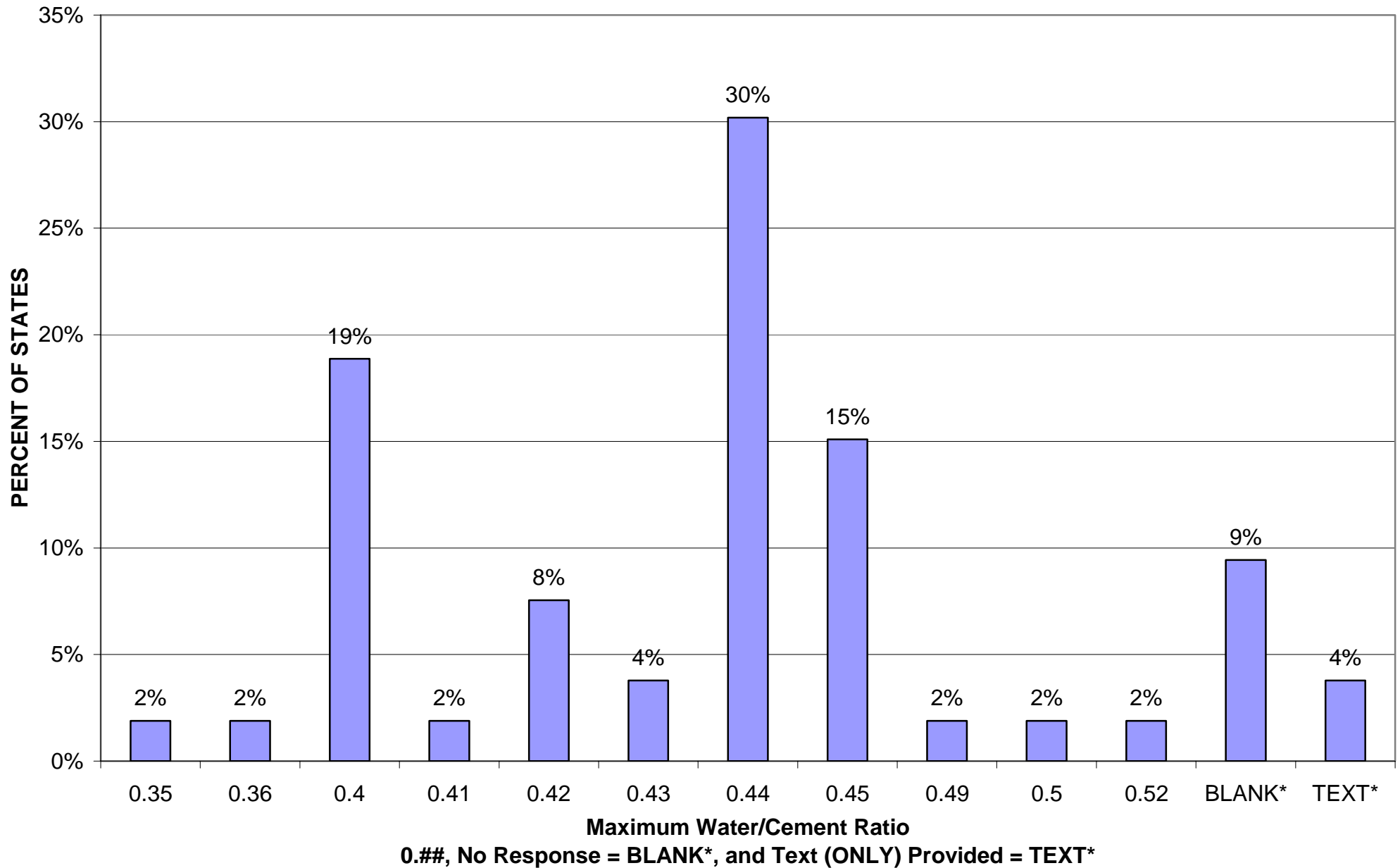
QUESTION 2 - MAXIMUM WATER CEMENT RATIO CLASS OF CONCRETE - PRESTRESS



0.##, No Response = BLANK*, and Text (ONLY) Provided = TEXT*

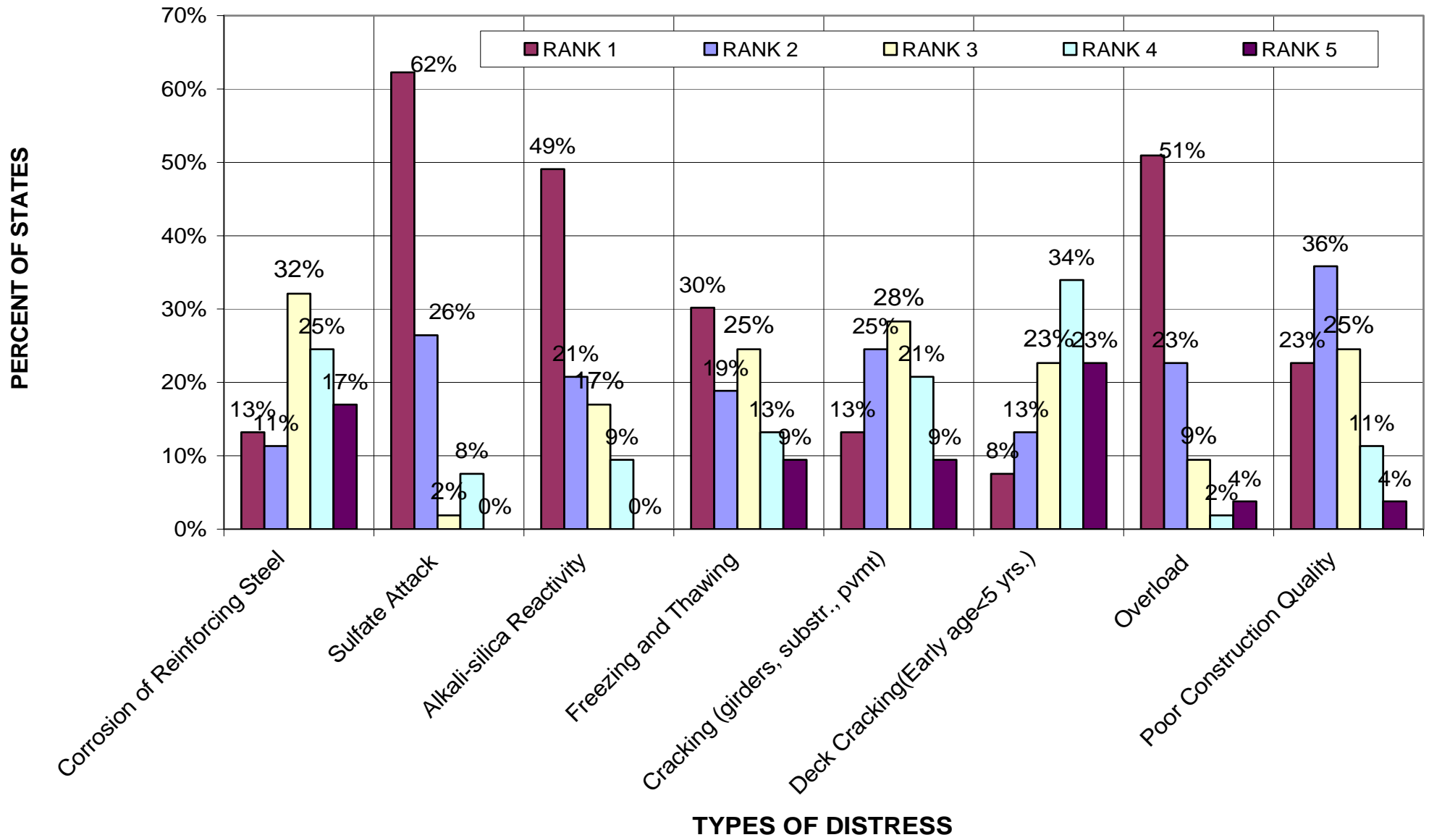
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 2 -MAXIMUM WATER CEMENT RATIO CLASS OF CONCRETE - DECKS



HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

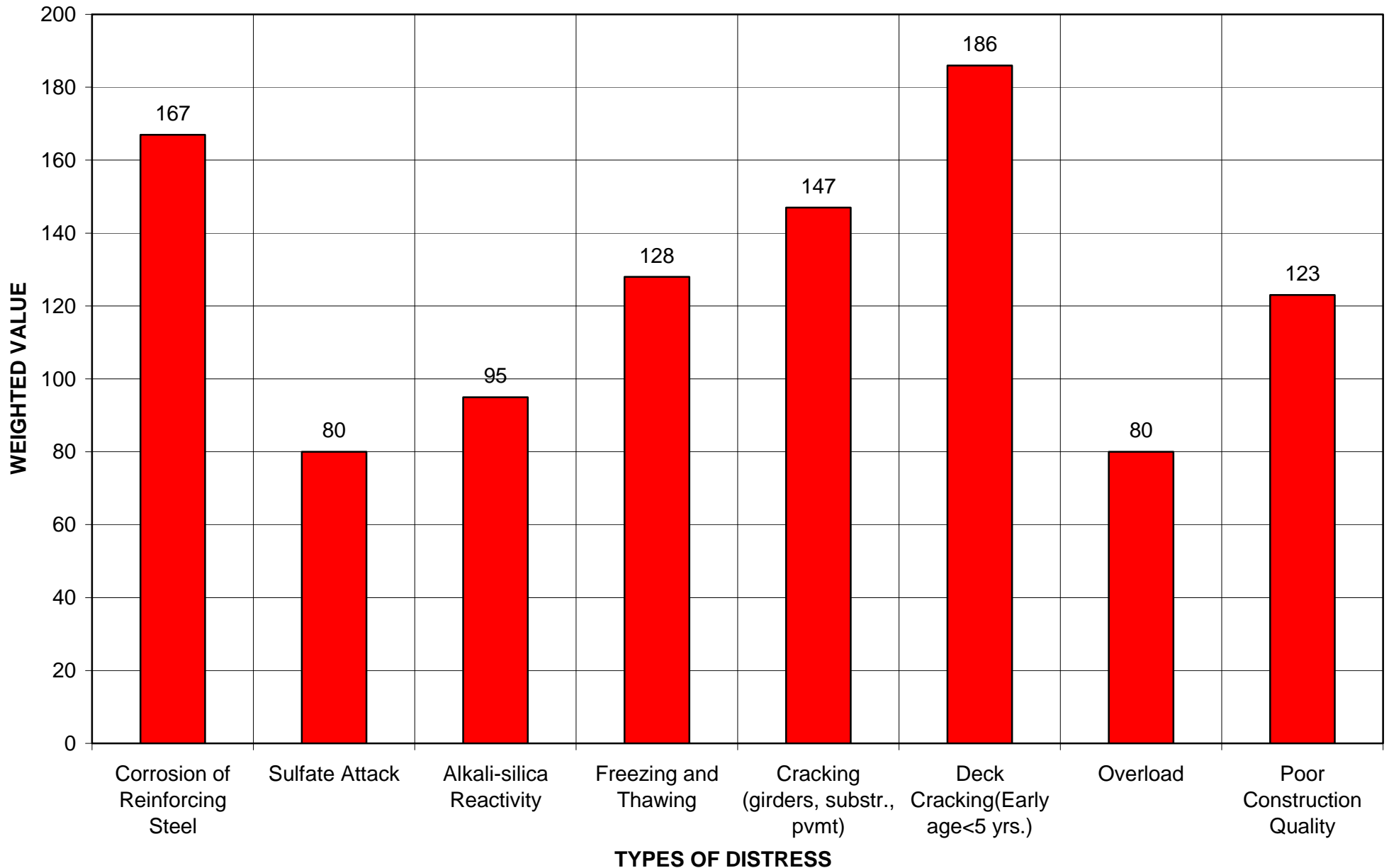
QUESTION # 3 RESULTS (Ranked from 1 to 5 with 1=rare and 5=often)



HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 3

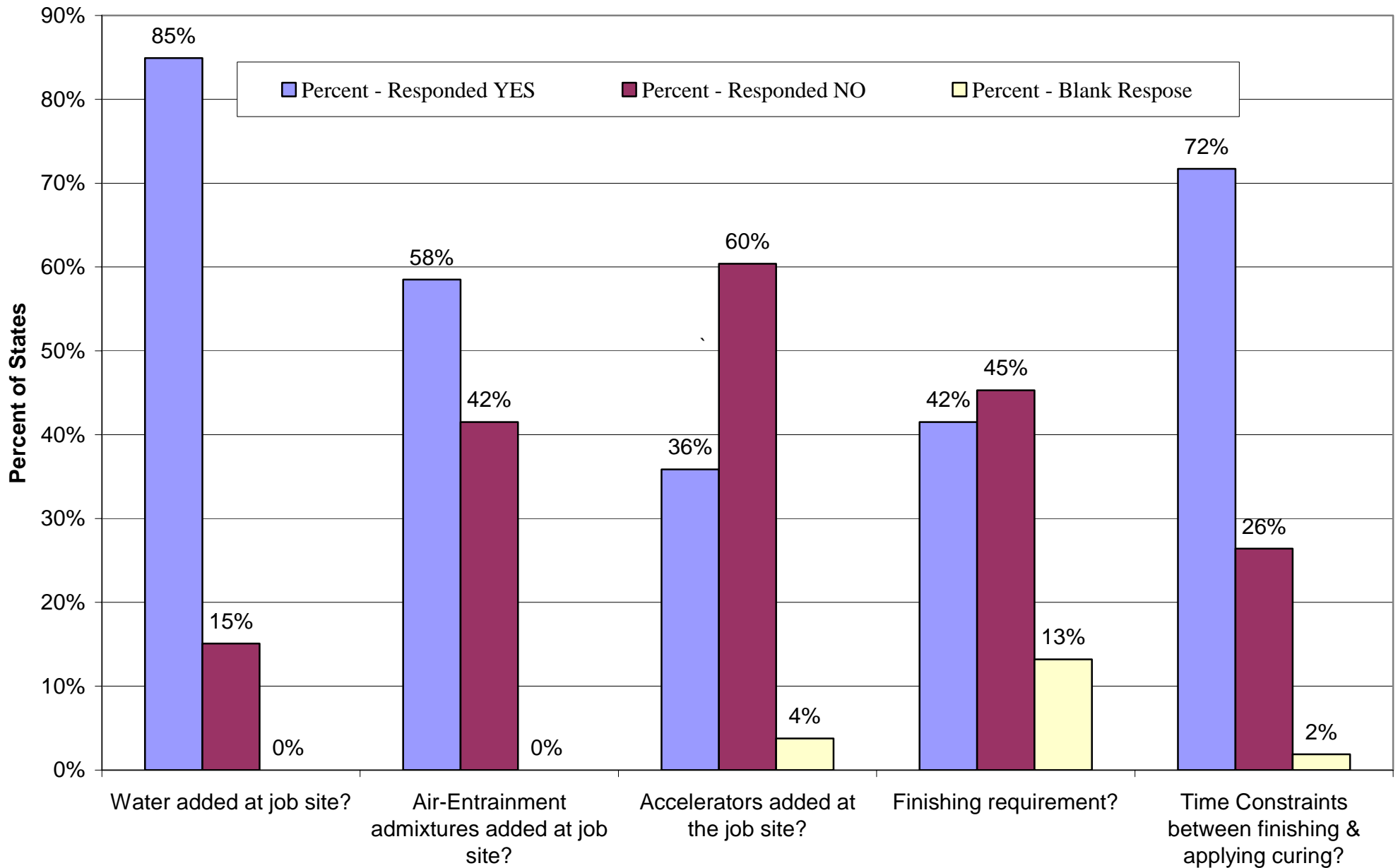
WEIGHTED VALUE SUMMARY FOR TYPES OF DISTRESS EXPERIENCED



HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

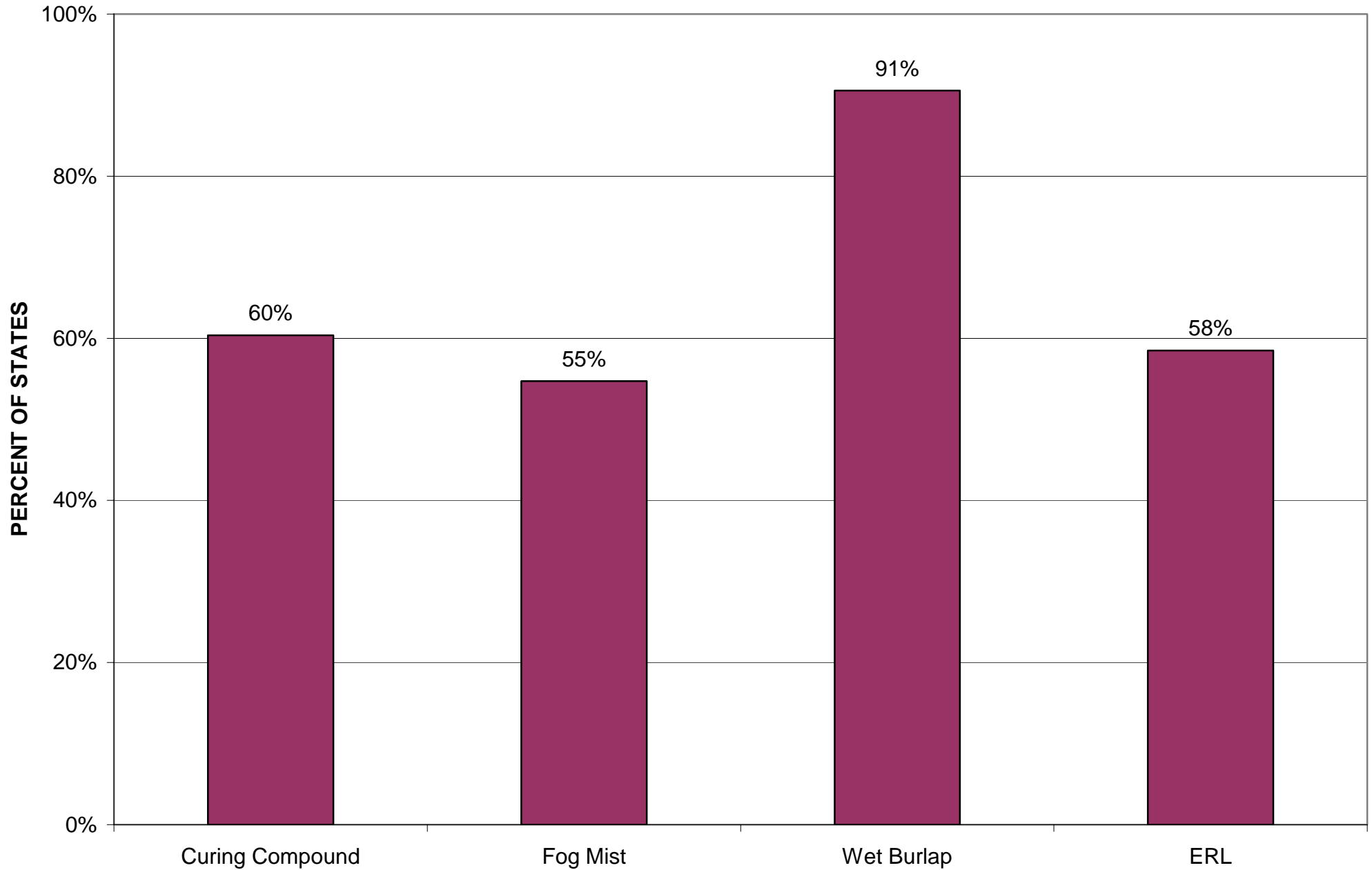
QUESTION 4 - PART 5

PLACING CONCRETE AT JOB SITE ISSUES - SUMMARY



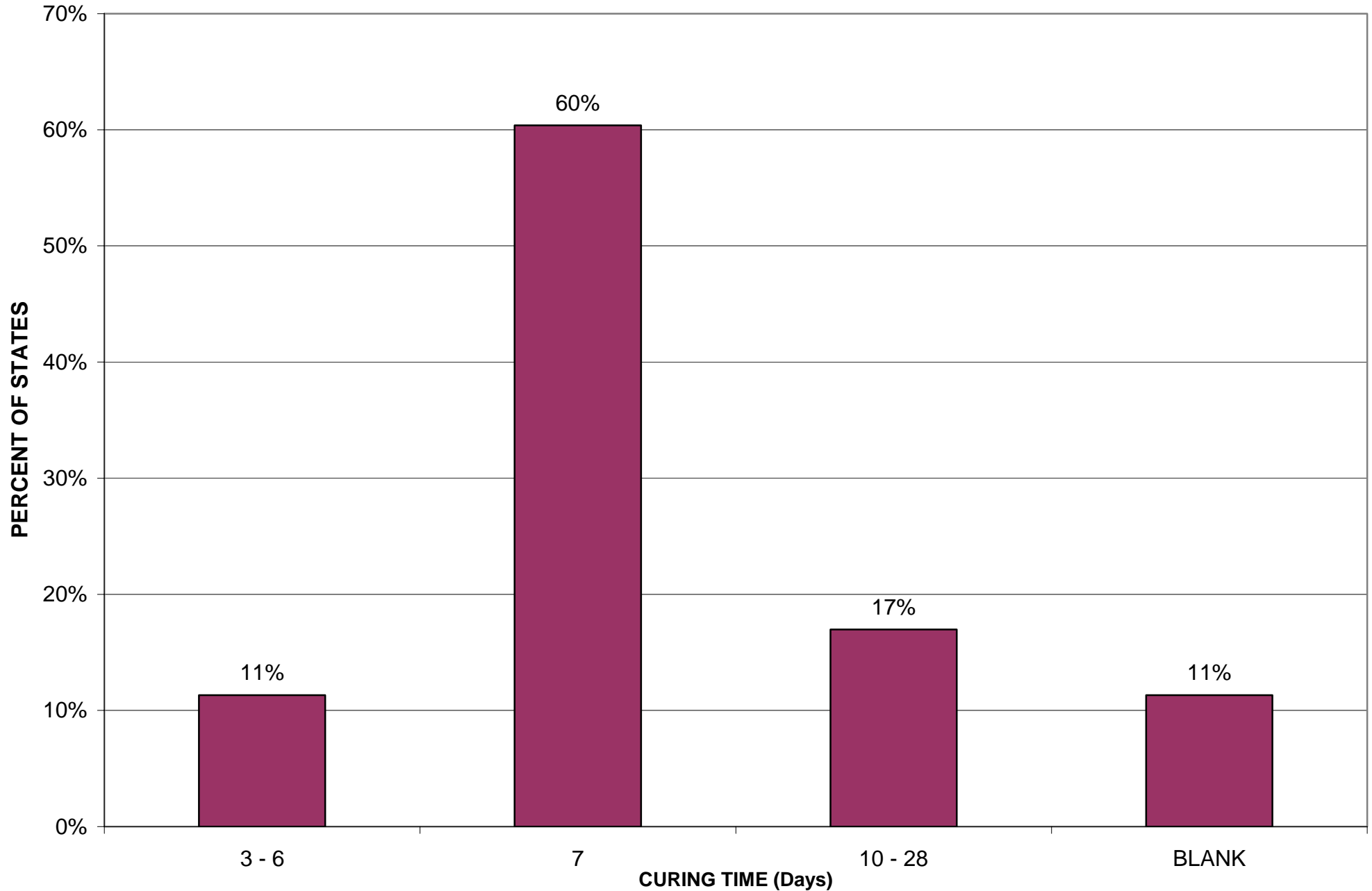
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 4 - PART 6: DECK CURING REQUIREMENTS



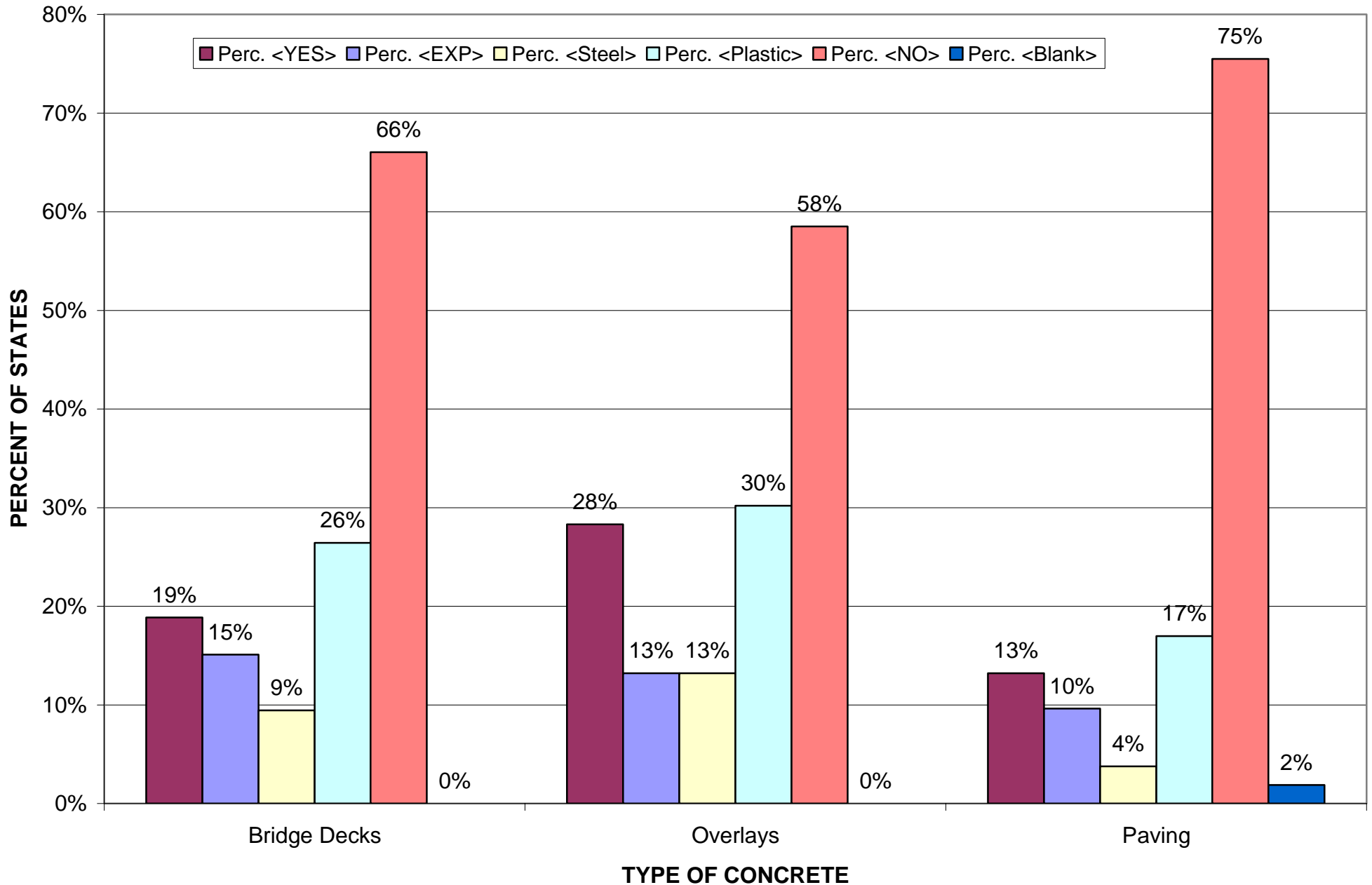
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 4 - PART 6: CURING TIME FOR DECKS



HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

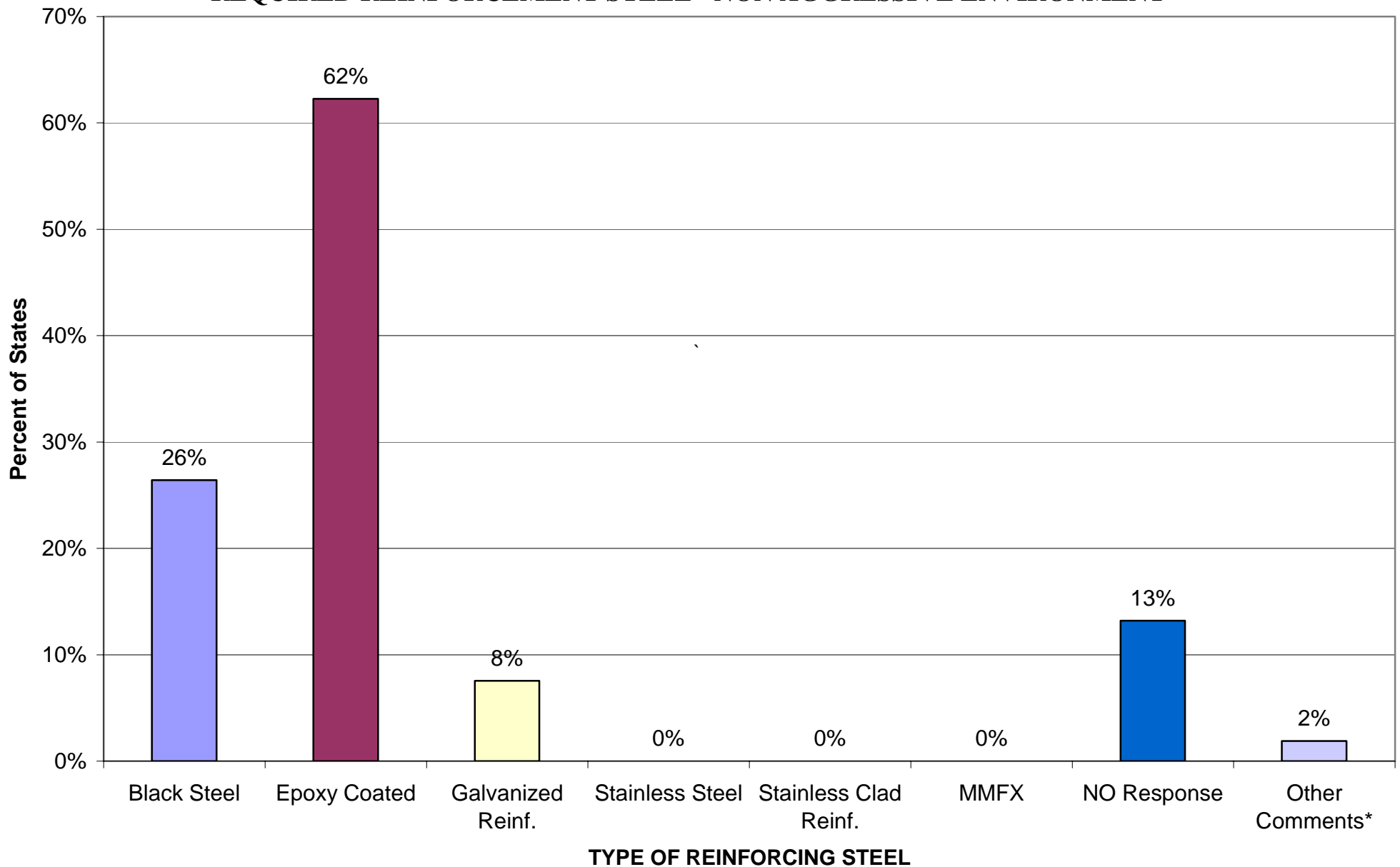
QUESTION 5 - USE OF FIBER-REINFORCE CONCRETE



HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

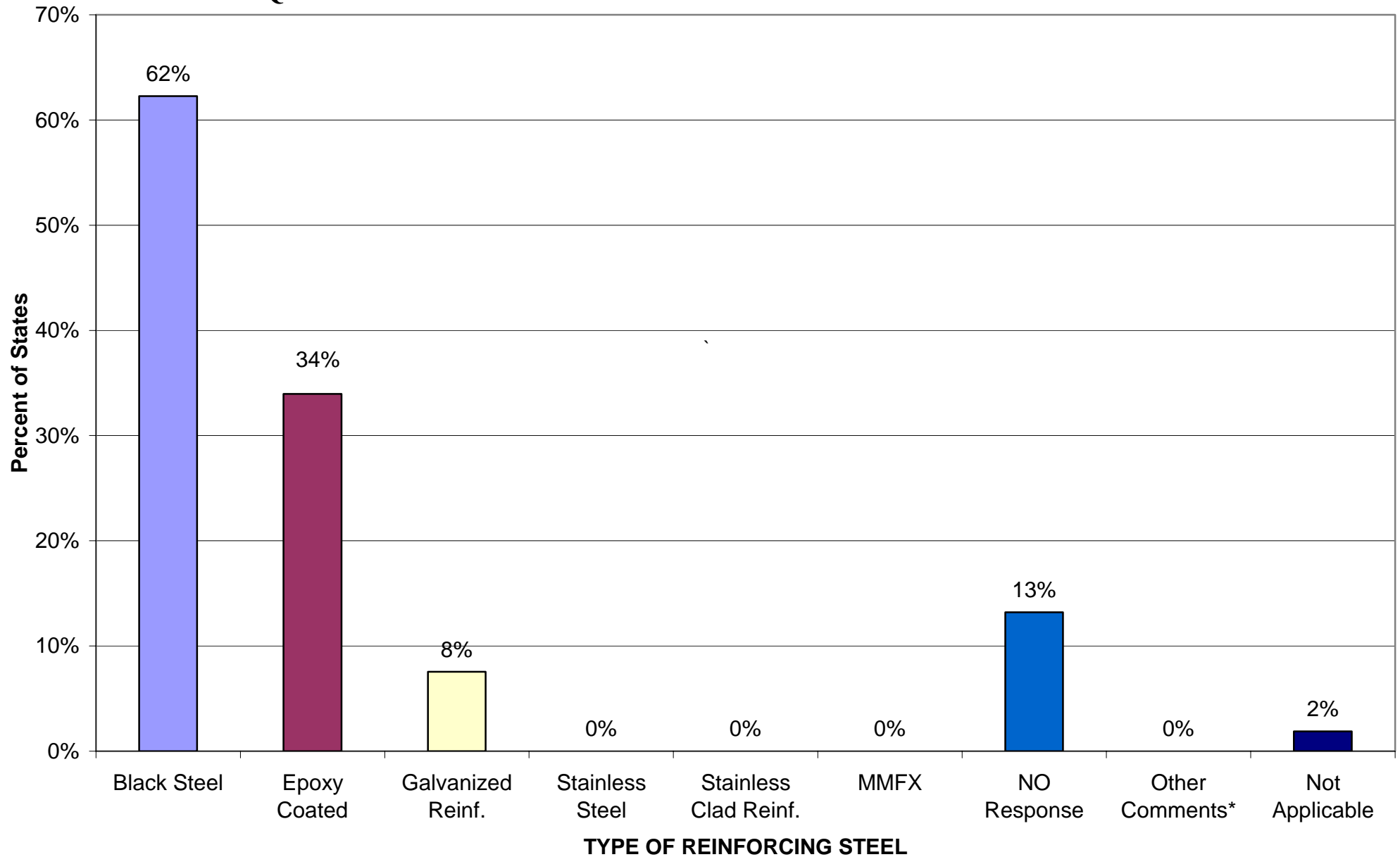
QUESTION 6 - PART 3 (DECKS)

REQUIRED REINFORCEMENT STEEL - NON AGGRESSIVE ENVIRONMENT



HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

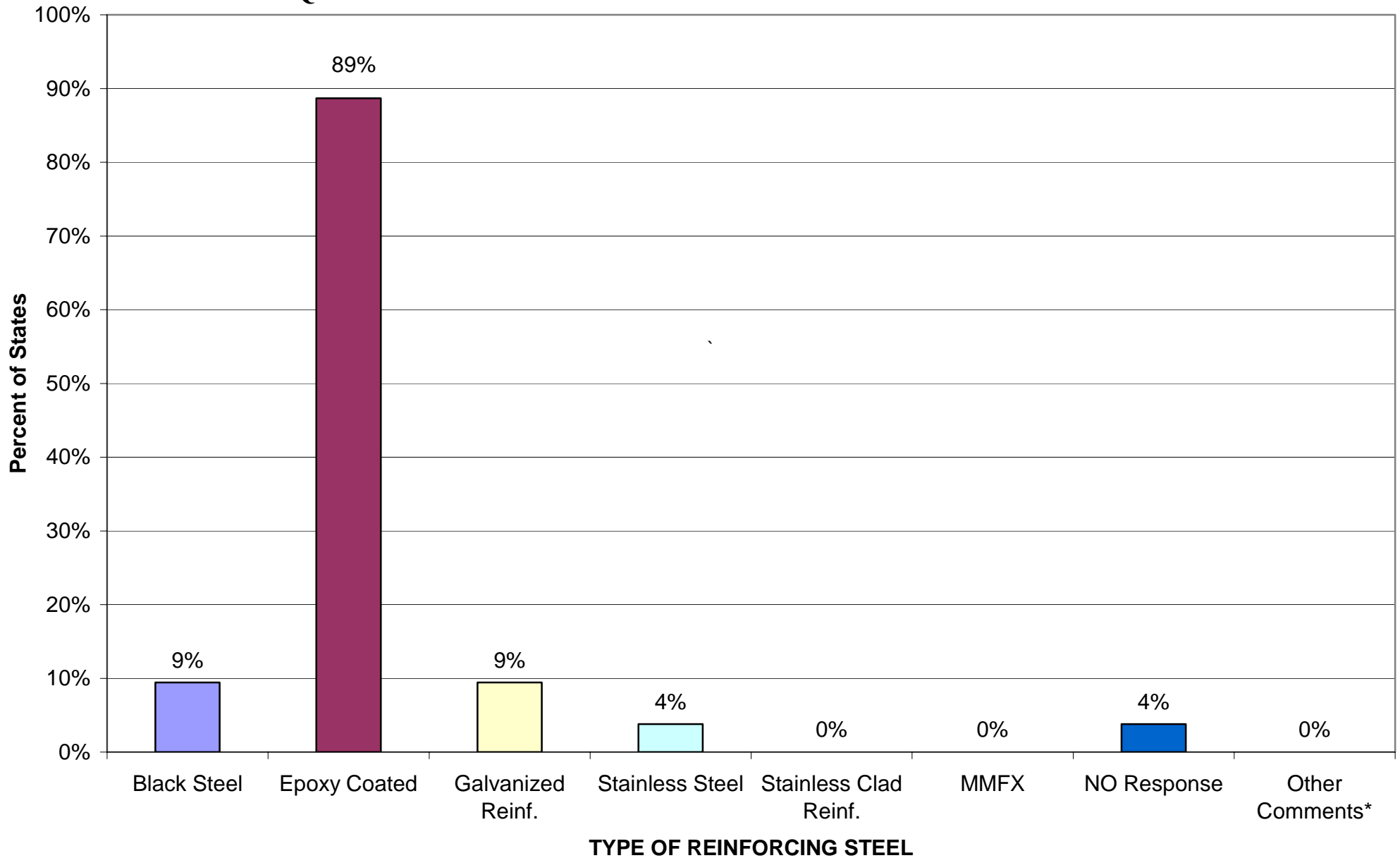
QUESTION 6 - PART 3 (PRESTRESS CONCRETE BEAMS - PRECAST) REQUIRED REINFORCEMENT STEEL - NON AGGRESSIVE ENVIRONMENT



HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

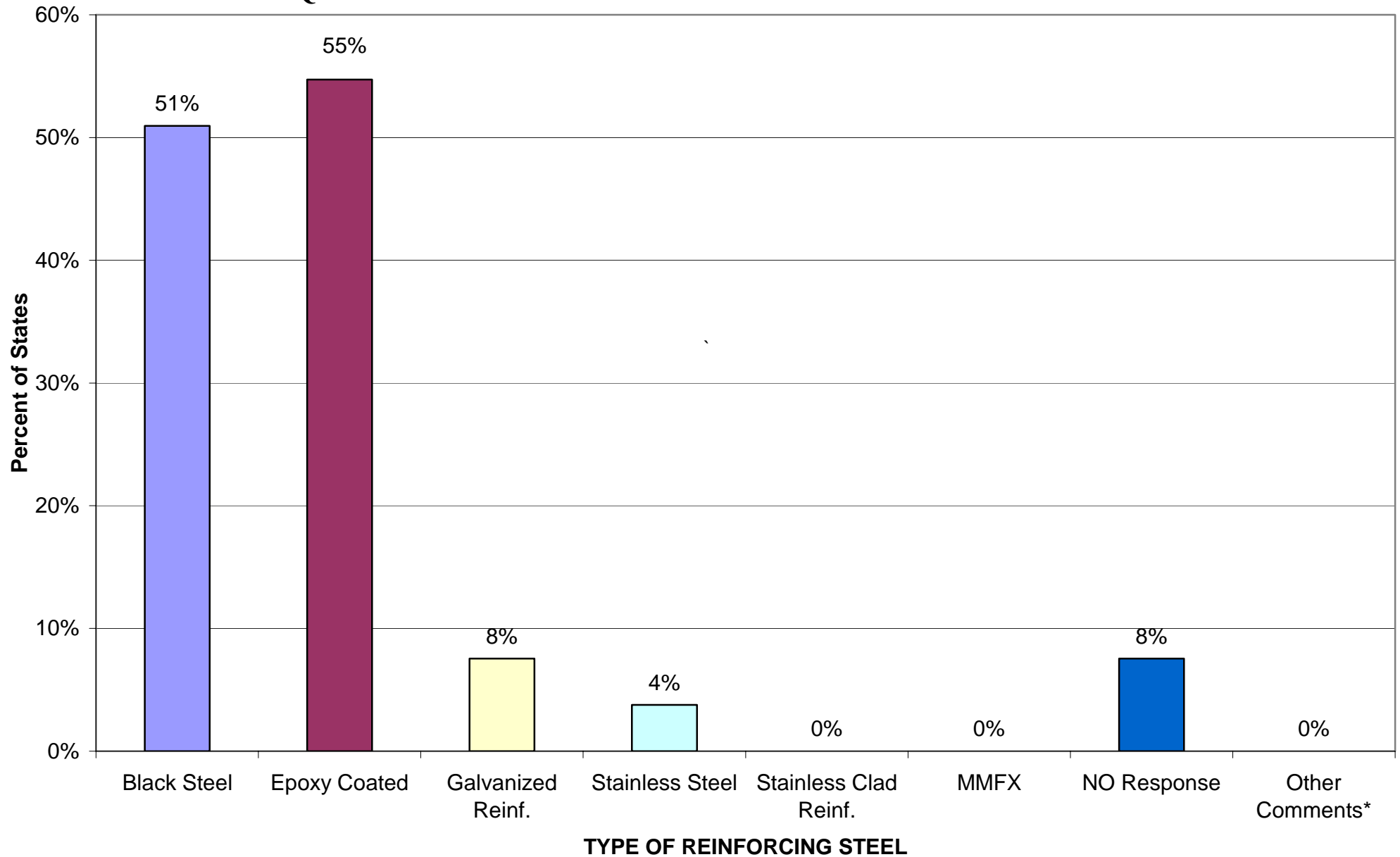
QUESTION 6 - PART 4 (DECKS)

REQUIRED REINFORCEMENT STEEL - AGGRESSIVE ENVIRONMENT



HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

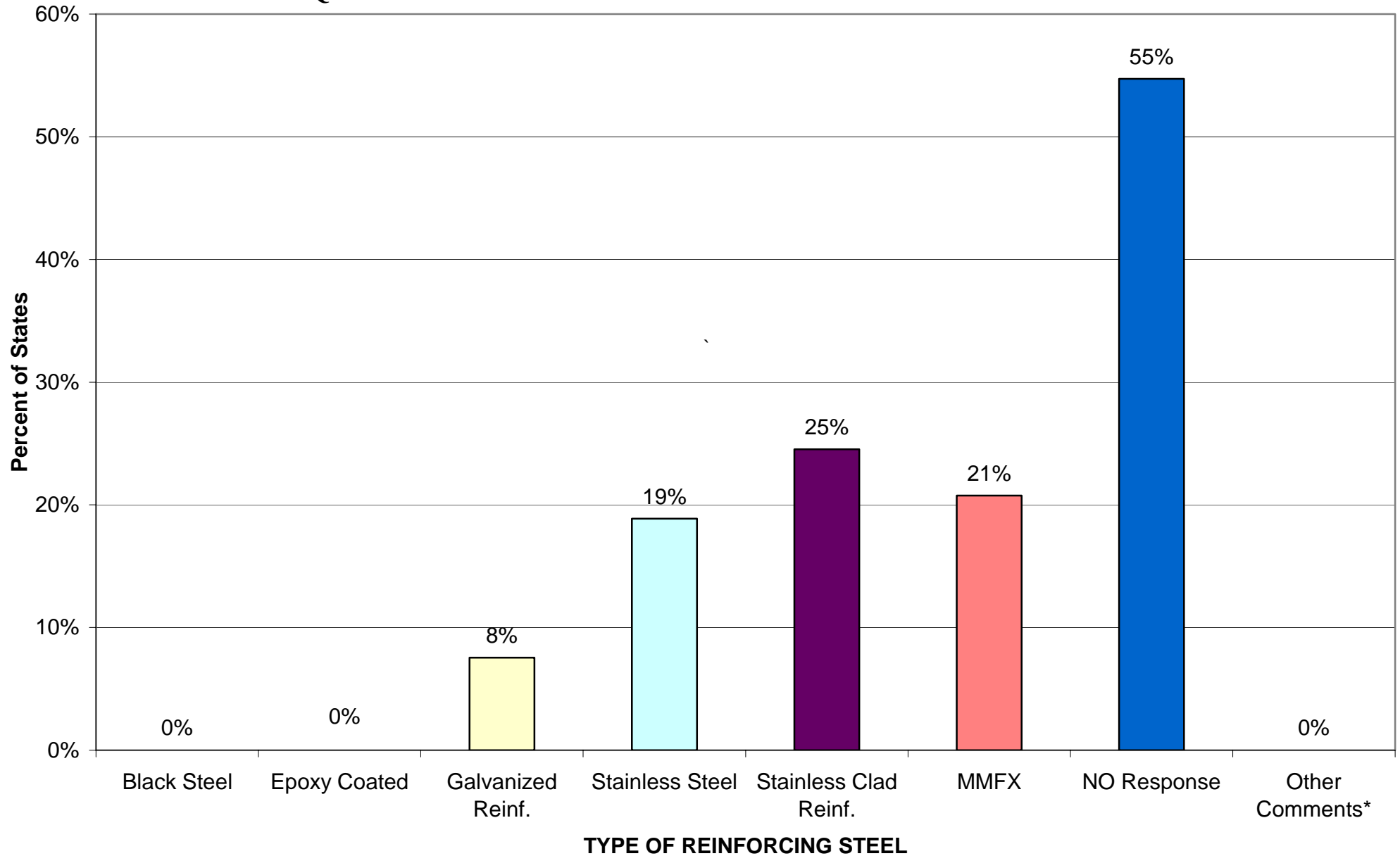
QUESTION 6 - PART 4 (PRESTRESS CONCRETE BEAMS - PRECAST) REQUIRED REINFORCEMENT STEEL - AGGRESSIVE ENVIRONMENT



HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

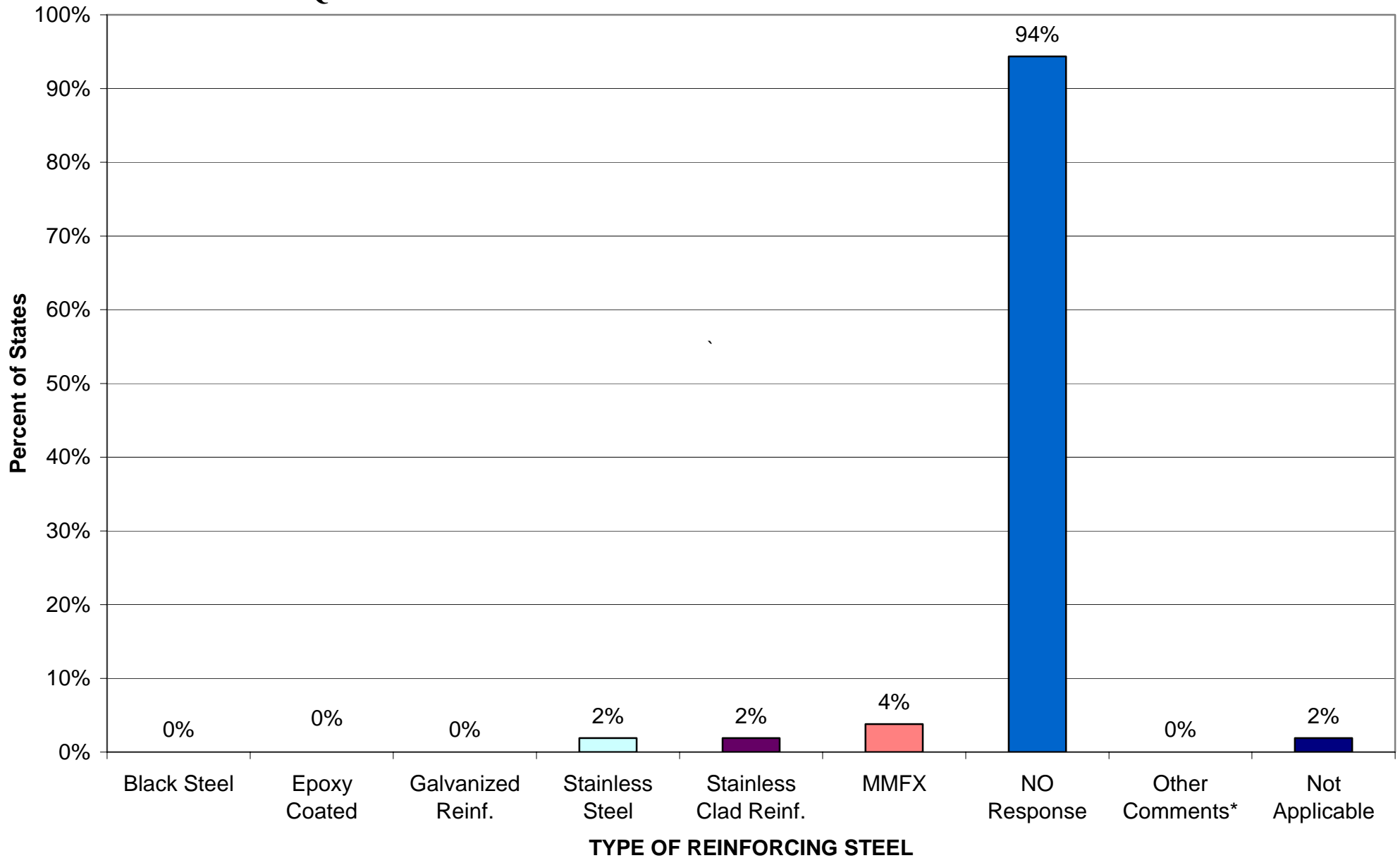
QUESTION 6 - PART 5 (DECKS)

REQUIRED REINFORCEMENT STEEL - EXPERIMENTAL USE ONLY



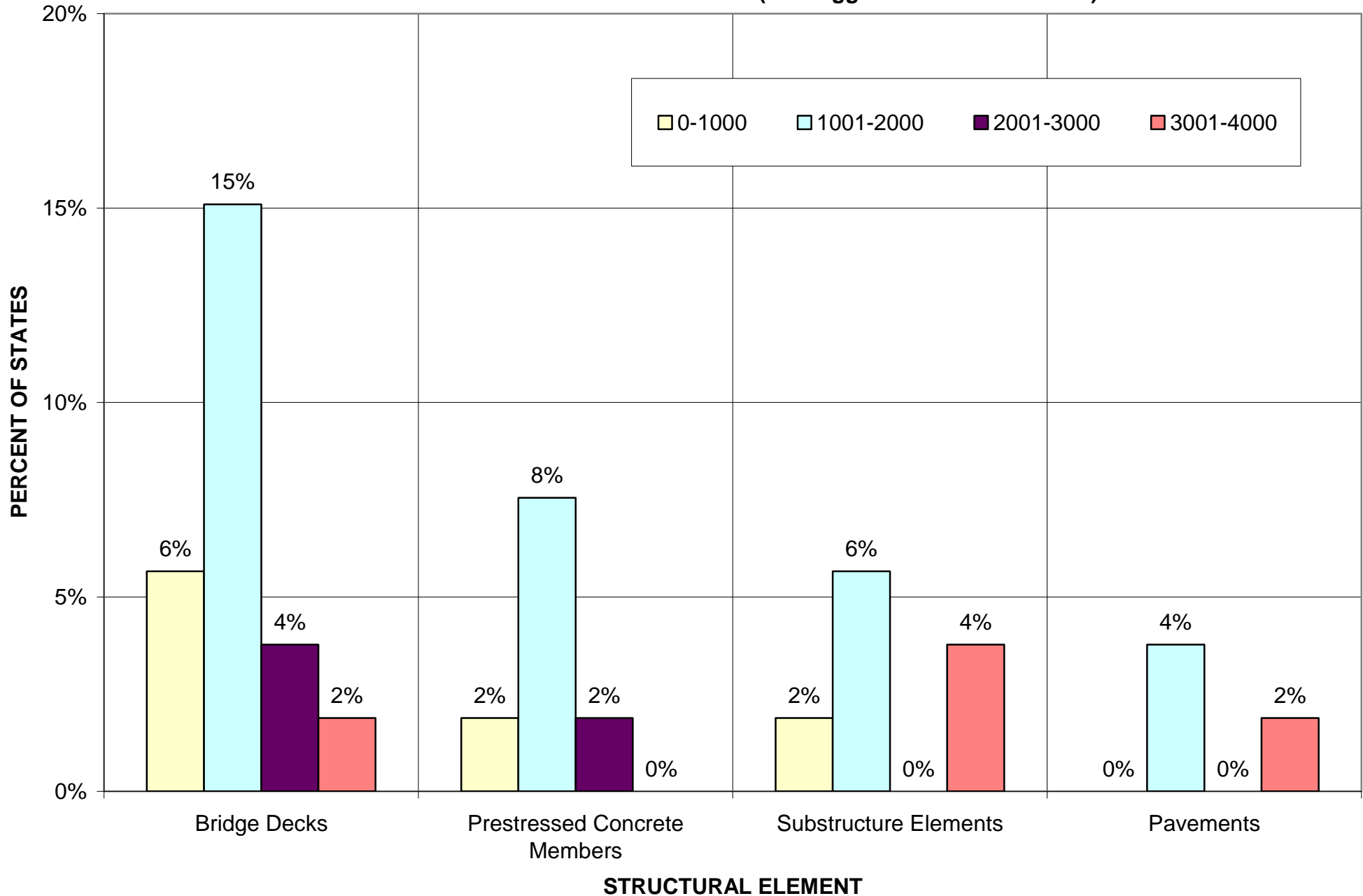
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 6 - PART 5 (PRESTRESS CONCRETE BEAMS - PRECAST) REQUIRED REINFORCEMENT STEEL - EXPERIMENTAL USE ONLY



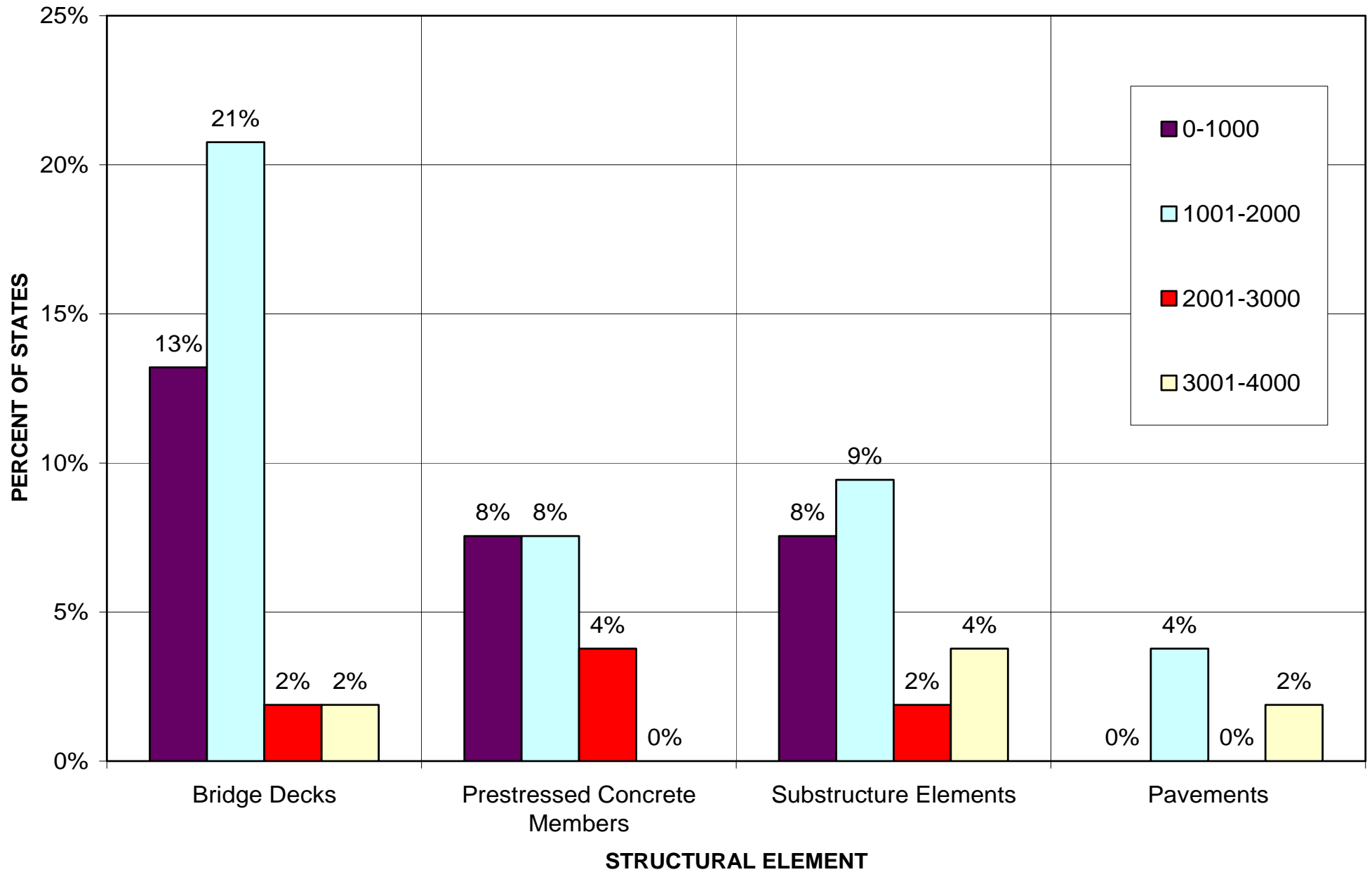
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 9 - PART 1: COULOMB VALUES (Non-Aggressive Environments)



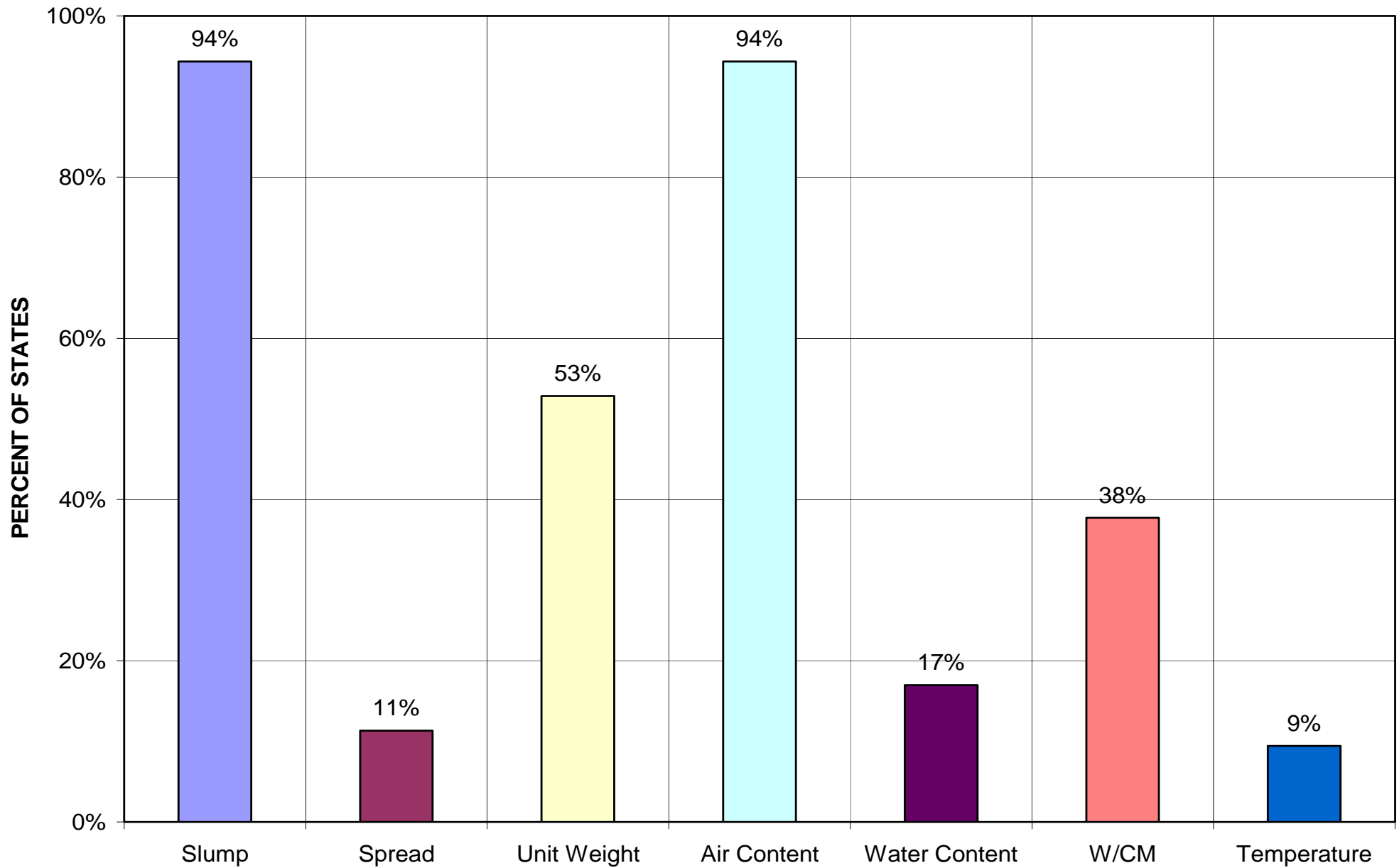
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 9 - PART 2: COULOMB VALUES (Aggressive Environments)



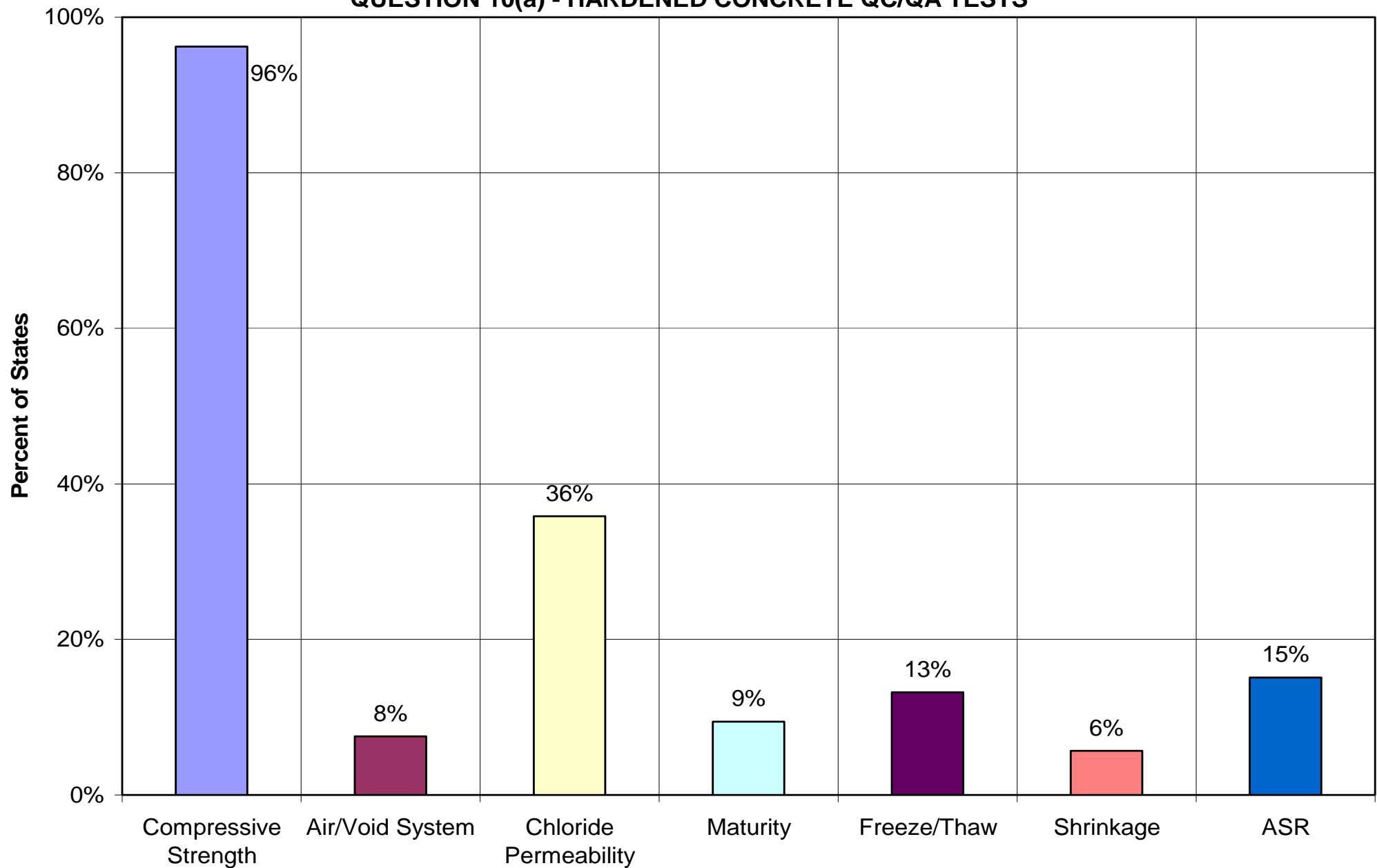
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 10(a) - FRESH CONCRETE QC/QA TESTS



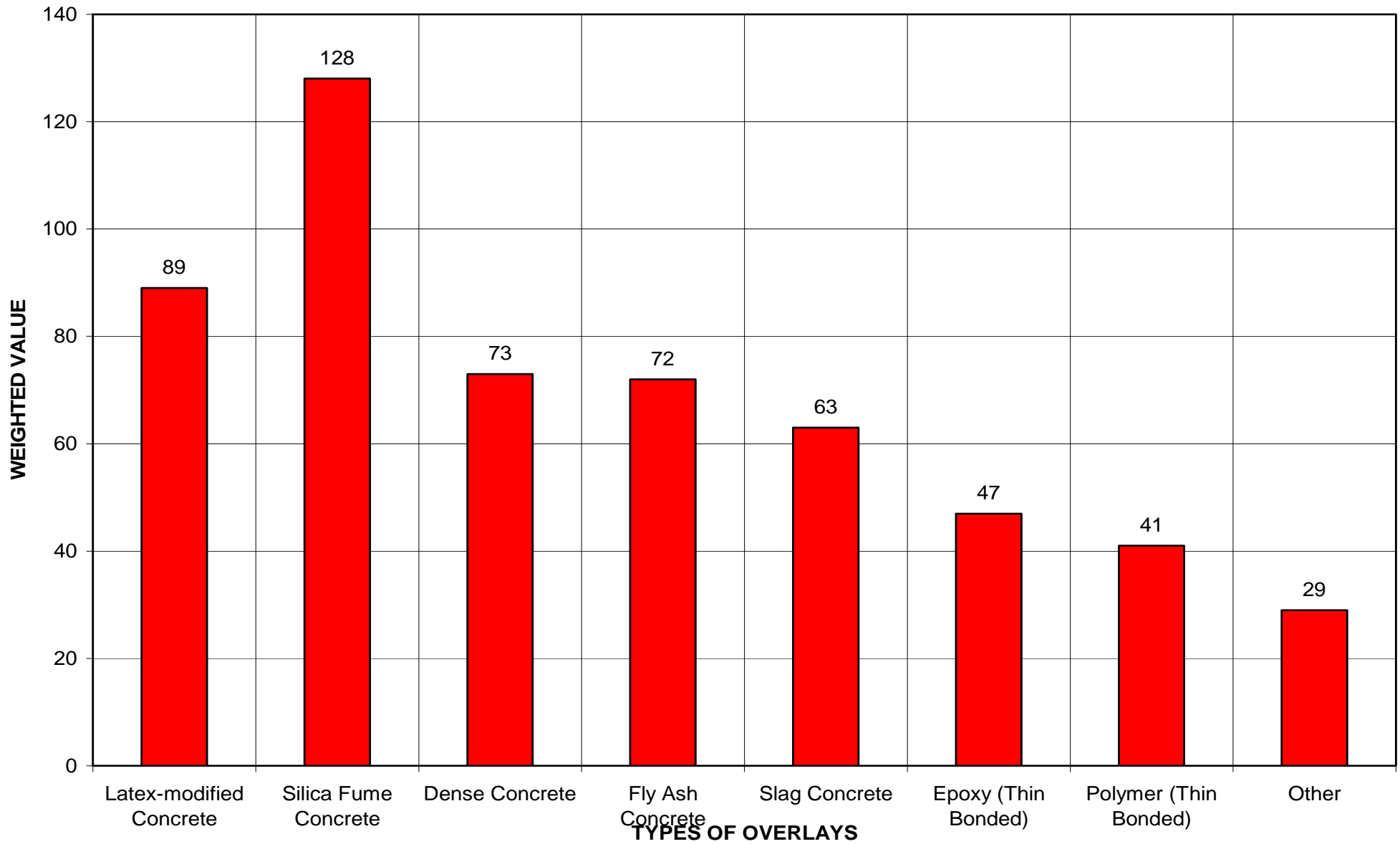
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 10(a) - HARDENED CONCRETE QC/QA TESTS



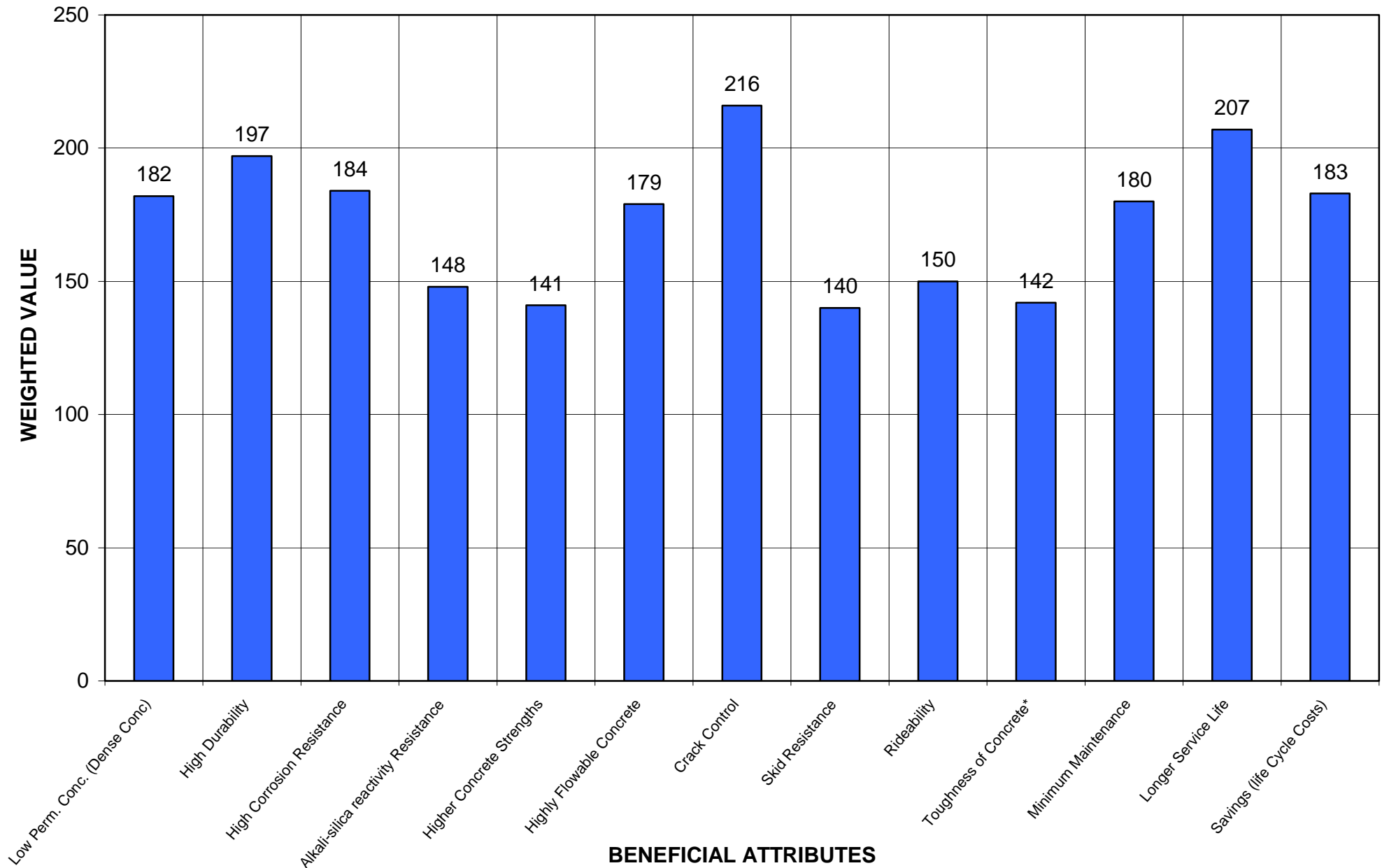
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 11 - PART 1: USAGE WEIGHTED VALUE SUMMARY FOR TYPES OF OVERLAYS



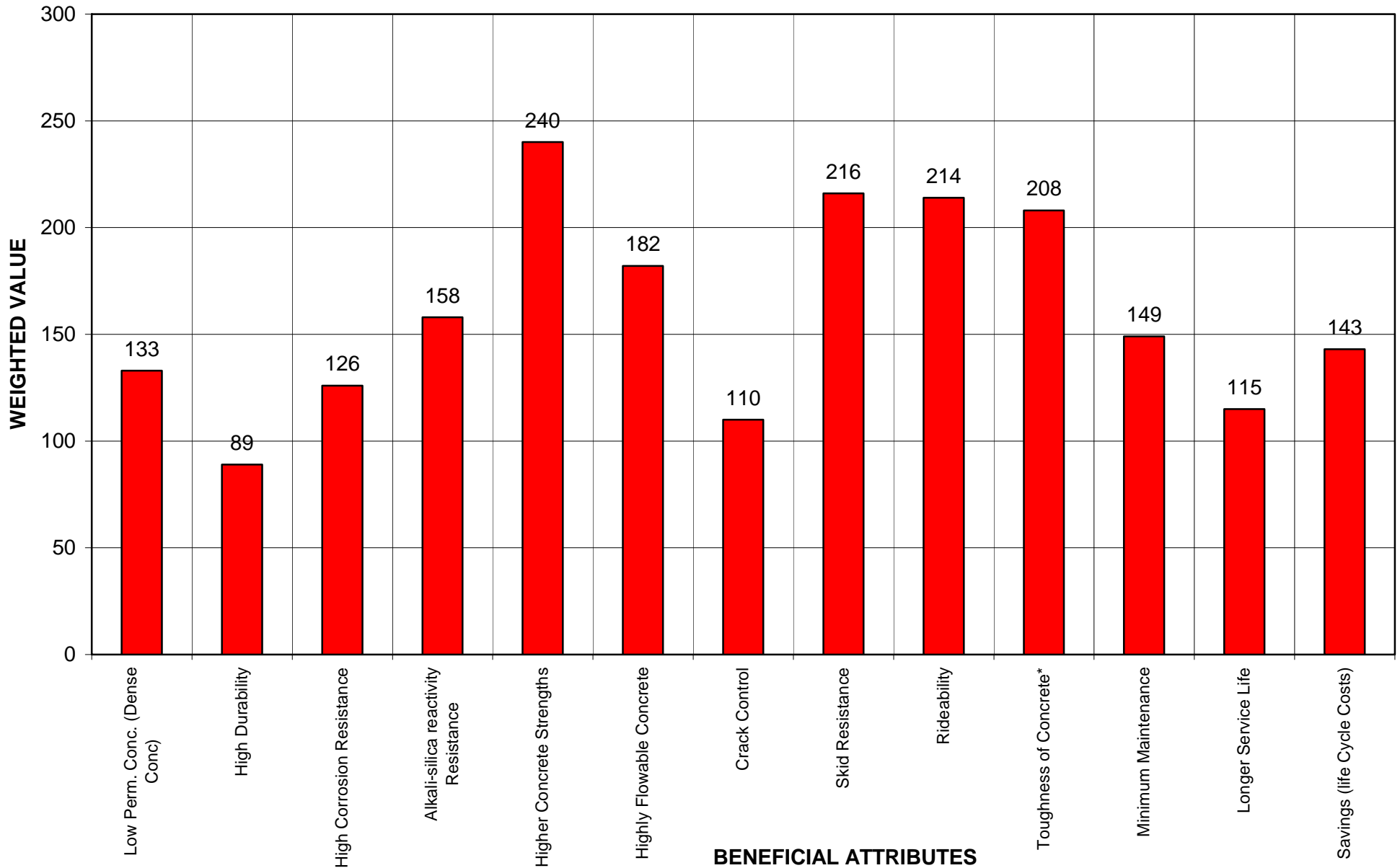
HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 12 - PART 1: WEIGHTED VALUE SUMMARY OF INTEREST OF BENEFICIAL ATTRIBUTES FOR HPC



HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 12 - PART 2: WEIGHTED VALUE SUMMARY OF OVERALL RANKING OF BENEFICIAL ATTRIBUTES FOR HPC



HIGH PERFORMANCE CONCRETE QUESTIONNAIRE - 2003

QUESTION 12 - WEIGHTED VALUE COMPARISON OF INTEREST AND OVERALL RANKING FOR HPC BENEFICIAL ATTRIBUTES

